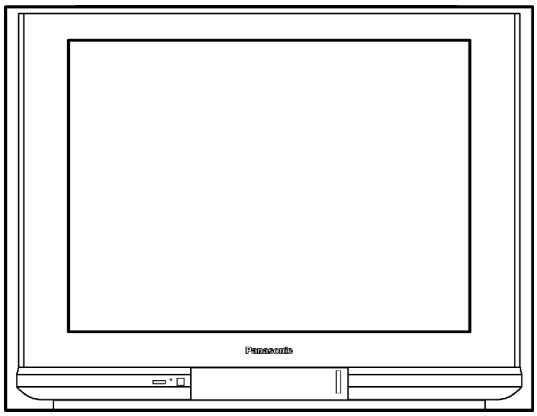
Order No. MTV0308230C3

Service Manual

Colour Television

TC-25P90R

MX-12 Chassis



SPECIFICATIONS

	Specification
Power Source	AC Auto 110-240 V, 50/60 Hz
Power Consumption	139 W
	Standby condition : 2 W
Aerial Terminal	Impedance : 75 Ω , Coaxial type
Tuning System	Frequency Synthesizer
	Auto Search Tuning
	Pos : 100 Positions
Receiving System	17 Systems
Receiving Channels	Regular TV
VHF BAND	2-12 (PAL/SECAM B, K1)
	0-12 (PAL B AUST.)
	1-9 (PAL B N.Z.)
	1-12 (PAL/SECAM D)
	1-12 (NTSC M Japan)
	2-13 (NTSC M U.S.A)
UHF BAND	21-69 (PAL G, H, I/SECAM G, K, K1)
	28-69 (PAL B AUST.)
	13-57 (PAL D, K)
	13-62 (NTSC M Japan)
	14-69 (NTSC M U.S.A.)
CATV	S1-S20 (OSCAR)

	1-125 (U.S.A. CATV) C13-C49 (JAPAN) S21-S41 (HYPER) Z1-Z37 (CHINA)
Intermediate Frequency	38.0 MHz
Video	31.5 MHz (D, K) / 32.5 MHz (B, G) 32.0 MHz (I) / 32.5 MHz (M)
Sound Colour	33.57 MHz (PAL) / 33.6 MHz (SECAM) 34.42 MHz (NTSC) / 33.75 MHz (SECAM)
Receiving Stereo Sound System	AV STEREO
Video/Audio/Terminals AV 1, 2, 3, 4 Y / PB / PR	IN S-Video Y:1.0Vp-p 75 Ω DVD IN S-Video C:0.3Vp-p 75 Ω (Phone Type) Y:1.0Vp-p 75 Ω PB, PR:0.7Vp-p 75 Ω Video 1.0Vp-p 75 Ω Audio Approx. 400mV 47K Ω Video 1.0Vp-p 75 Ω
Monitor Out	Audio Approx. 400mV 47K Ω
High Voltage	30.0 ±1.0V at zero beam current
Picture Tube	A60LUQ086X Type 25 (60 cm) Measured diagonally, 104° deflection
Audio Output	20 W speaker
Dimensions (W x D x H)	650 mm x 471 mm x 530 mm
Weight (Mass)	37 kg (Net)

Note:
Specifications are subject to change without notice. Mass and dimensions shown are approximate.

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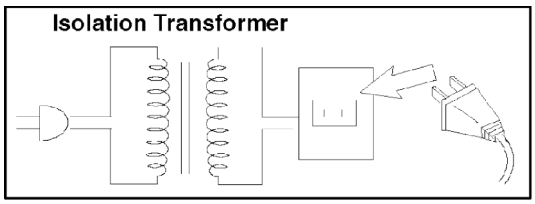
1. Safety Precautions

1.1. General Guide

1. It is advisable to insert an isolation transformer in the AC supply

before servicing a hot chassis. Fig. 1.

Fig. 1

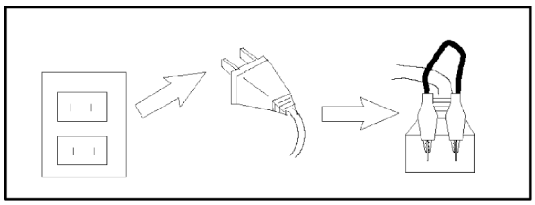


2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, observe that all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations, are properly installed.
4. When the receiver is not to be used for a long period of time, unplug the power cord from the AC outlet.
5. Potential, as high as 31.7 kV is present when this receiver is in operation. Operation of the receiver without the receiver power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the receiver chassis before handling the tube. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug. Fig. 2.

Fig. 2



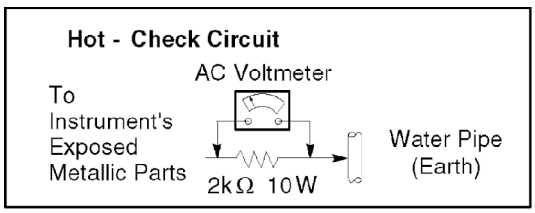
2. Turn on the receiver’s power switch.
3. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the

receiver, such as screw heads, aerials, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4 M Ω and 20 M Ω . When the exposed metal does not have a return path to the chassis, the reading must be zero.

1.3. Leakage Current Hot Check (See Fig. 1)

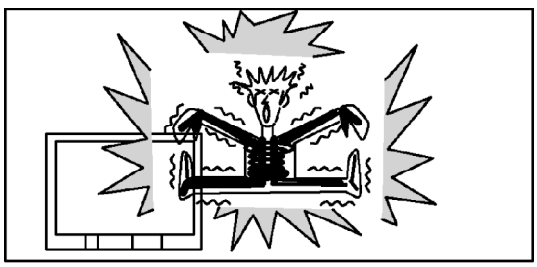
1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a 2 k Ω , 10 W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.**
3. **Use an AC voltmeter, with high impedance type, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point. Fig. 3.**

Fig. 3



5. **Reverse the AC plug in the AC outlet and repeat each of the above measurements.**
6. **The potential any point should not exceed 1.0 V rms. In the case of a measurement being outside of the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and re-checked before it is returned to the customer. Fig. 4.**

Fig. 4



1.4. X-Radiation

Warning :

1. **The potential sources of X-Radiation in TV sets are the EHT section and the picture tube. /**
2. **When using a picture tube test rig for service, ensure that the rig is capable of handling 29.5 kV without causing X-Radiation. /**

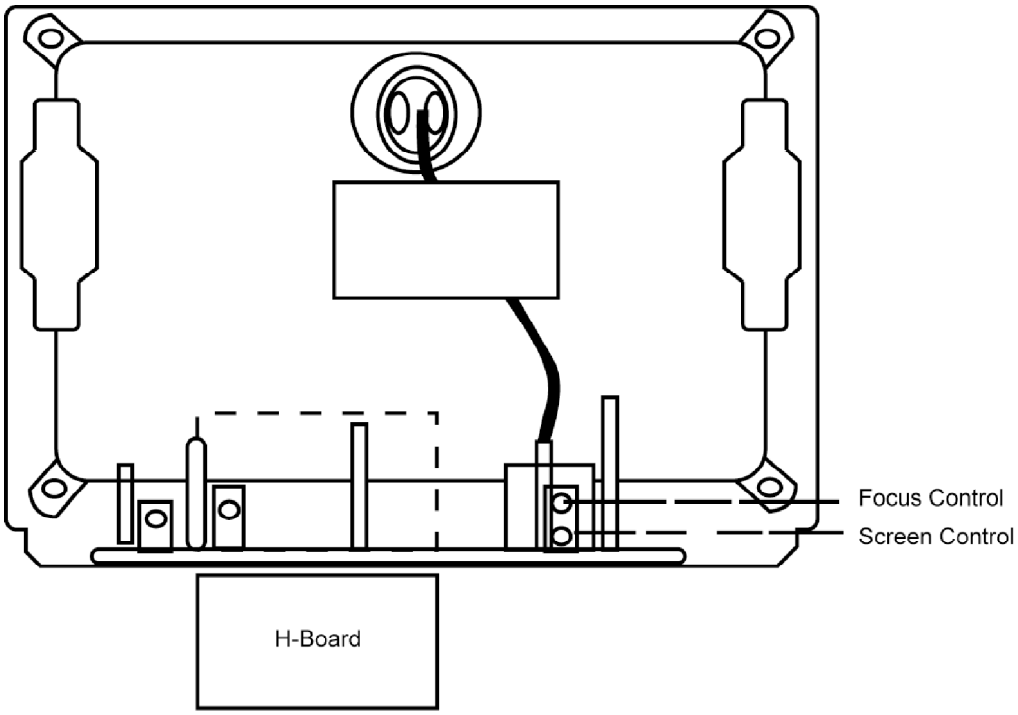
Note: It is important to use an accurate periodically calibrated high voltage meter. /

1. **Set the brightness to minimum.**
2. **Measure the High Voltage. The meter reading should indicate 31.0 +0.7, -1.5kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.**
3. **To prevent the possibility of X-Radiation, it is essential to use the specified picture tube.**

1.5. MX-12 Block Diagram

2. Location of Controls and Circuit Boards

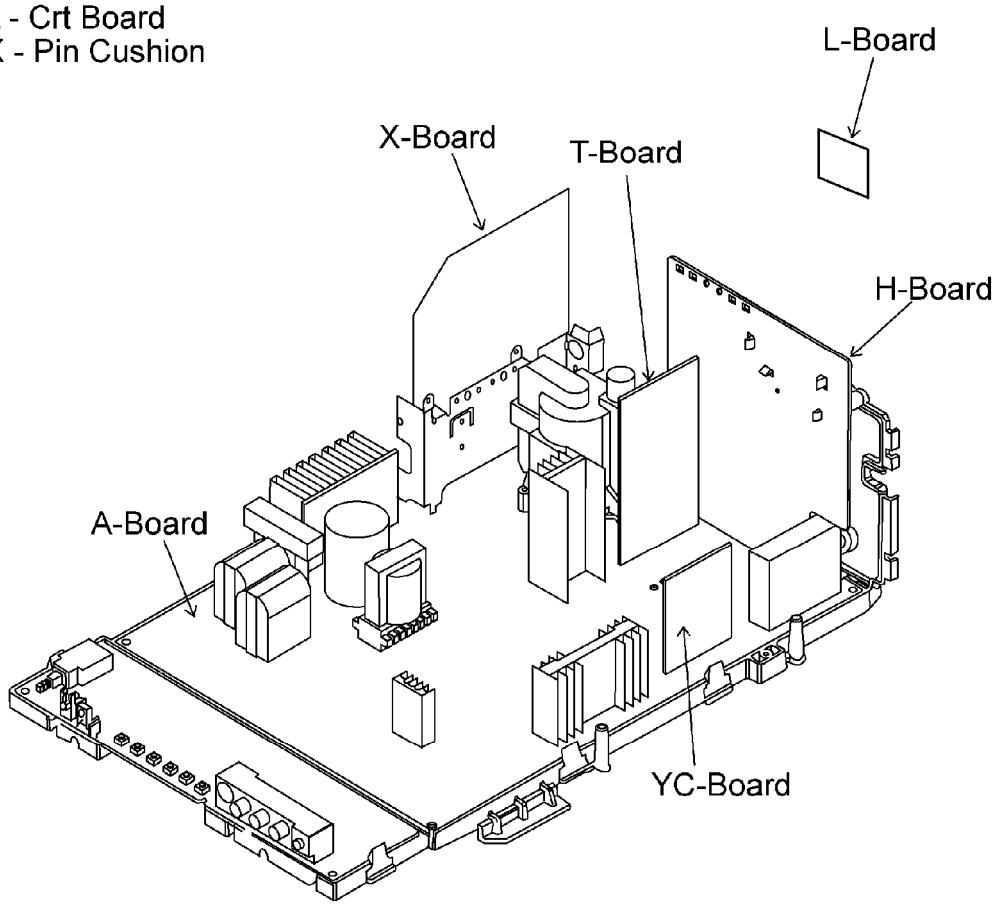
2.1. REAR VIEW



2.2. LOCATION AND FUNCTION NAME OF CIRCUIT BOARD

A - Main
H - Rear AV
L - Crt Board
X - Pin Cushion

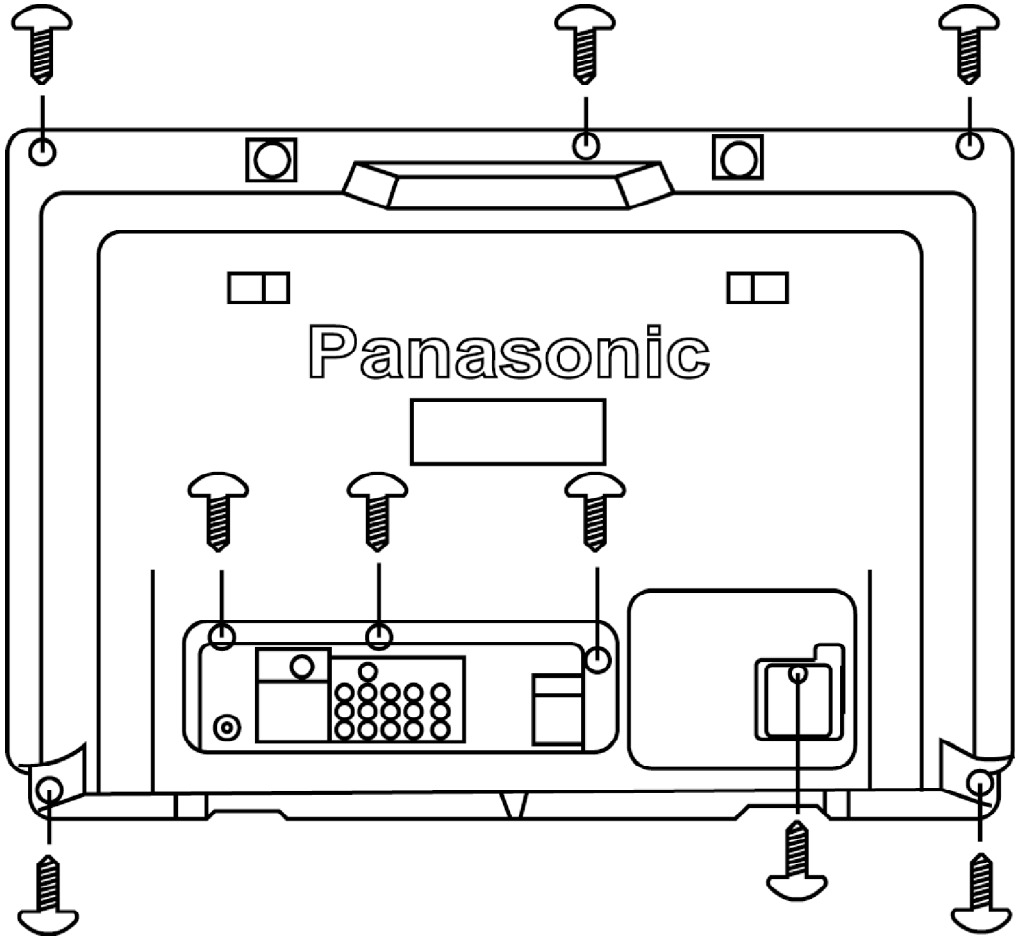
YC - Board
T - Board



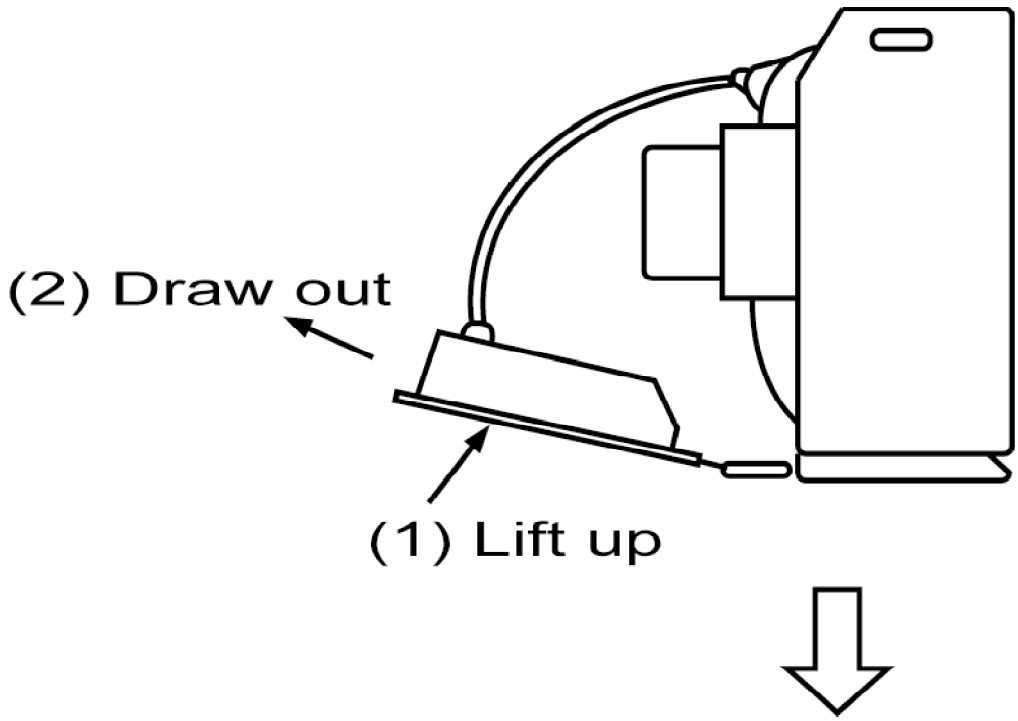
3. Service Hints

3.1. HOW TO MOVE CHASSIS INTO SERVICE POSITION.

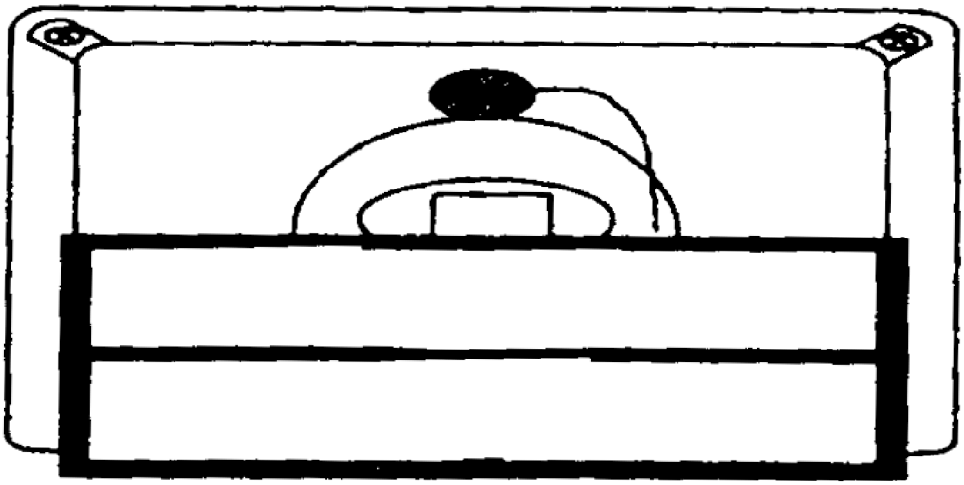
1. Remove 9 screws.



2. Draw out Main Chassis.



3. Stand the Main Chassis.



4. Market Mode Function

Outline:

MPU controls the functions switching for each ICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Market Mode.

1. Selection of Market Mode

Adjust the VOLUME "zero" and set OFF TIMER Button to 30 min. Then, simultaneously press the RECALL Button on the remote control and the VOLUME DOWN button - the TV set.

2. Selection of CHK Mode

Cursor moves each CHK Mode by pressing "1" or "2" of 10 key button on the remote control.

1. CHK 1

OPTION 1	**FF**
OPTION 2	**00**
OPTION 3	**00**
OPTION 4	**00**
OPTION 5	**F0**
OPTION 6	**81**
OPTION 7	**01**
OPTION 8	**7B**
OPTION 9	**F8**

2. CHK 2

RF AGC	1E H
AGC - LVL	0A H
S CONT	67 H
S-COL	46 H
S-TINT	0B - H
SECAM B-Y	07 H
SECAM R-Y	07 H
TEXT S LVL	47 H

3. CHK 3

S-BRI	0A H
R-DRV	42 H
B-DRV	50 H
R-CUT	51 H
G-CUT	75 H
B-CUT	9A H

4. CHK 4

S-GEO	1F H
H POS	0C H
V POS	01 H
H-AMP	2F H
V-AMP	49 H
PARAB	47 H
TRAPE	21 H
V-LIN	07 H
T-COR	14 H
B-COR	14 H
V-S-COR	0D H
V-H-PAR	02 H
V-H-BOW	03 H

5. Adjustment Procedure

5.1. B VOLTAGE

Item/Preparation	Adjustment Procedure
1. Operate the TV set. 2. Set controls : (MARKET MODE CHK 2) / Bright ..... Minimum / Contrast ..... Minimum / Volume ..... Minimum	1. Confirm that the indicated test points for the specified voltage: / TPA 140 : 141 ± 2V / TPA 12 : 12 ± 0.5V / TPA 9 : 9 ± 0.5V TPA 5 & TPA 6 : 5 ± 0.5V TPA 220 : 220 ± 15V TPA 3 : 3.3 ± 0.2V

5.2. RF AGC

Item/Preparation	Adjustment Procedure
1. Receive a colour bar pattern. 2. Set the input level to 69 (+1.2) db. (75 Ω opened) 3. Set RF AGC in CHK 2.	1. Set RF AGC Control such as to procedure a snowy picture. 2. Set RF AGC Control at the point just before the voltage at AG 20 begins to drop. 3. Increase the input level by 3 db and confirm that the voltage

5.3. HIGH VOLTAGE

Item/Preparation	Adjustment Procedure
1. Operate the TV set. 2. Receive the crosshatch pattern. 3. Set to 0 Beam / (Screen Control : min. CONTRAST : min)	1. Connect a DC voltage meter to D850 cathode and confirm th is 141.0 ± 2.0V. 2. Connect a high voltage meter (Electrostatic Type) to an anod picture tube. 3. Confirm that the high voltage is within the range of 30.0 ± 1.(

5.4. SUB TINT

Item/Preparation	Adjustment Procedure
1. Receive a 3.58 MHz NTSC rainbow pattern 2. Connect oscilloscope to A21 pin 6. 3. Set controls: / BRT.....CENTER / COLOUR.....CENTER / CONTRAST....MAX / NTSC TINT.....CENTER / AI.....OFF	1. Adjust Sub NTSC Tint so that the peak of level of waveform i Fig. 3 2. Receive the Rainbow pattern (3.58 MHz NTSC) on both of Ma pictures. 3. Adjust Sub NTSC Tint 2 so that the peak of level of 1.3 ± 0.5V

5.5. SUB CONTRAST

Item/Preparation	Adjustment Procedure
1. Receive a colour bar pattern. 2. Connect an oscilloscope to TPA37 or TPL2 (G OUT). 3. Connect a short jumper to FBT pin3 or TPA 34 and TPA 5.. 4. Set controls: Picture menu ..... Dynamic Normal AI ..... off	1. Adjust Bright Colour: / a = 2.4 ± 0.2Vp-p 2. Adjust Sub Contrast Colour: / b = 2.7 ± 0.1Vp-p

5.6. PAL COLOUR OUTPUT

Item/Preparation	Adjustment Procedure
1. Receive PAL colour bar pattern. 2. Connect an oscilloscope probe to TPA 37 or TPL2 (G OUT). 3. Connect a short jumper to FBT pin 3 or TPA34 and TPA5. 4. Set control : Picture menu.....DYNAMIC NORMAL / AI.....off /	1. Adjust Bright Control. a = 2.3 ± 0.5Vp-p 2. Adjust Sub Colour control. 3. Connect the oscilloscope probe to TPA40. 4. Connect the waveform. b = 3.1 ± 0.5Vp-p

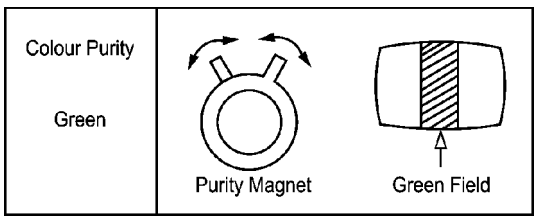
5.7. NTSC COLOUR OUTPUT

Item/Preparation	Adjustment Procedure
1. Apply 3.58MHz NTSC Rainbow pattern. 2. Connect an oscilloscope to TPA36 or TPL1 (R OUT). 3. Connect a short jumper to FBT pin 3 or TPA34 and TPA5. 4. Set control : Picture menu.....DYNAMIC CONTROL Channel Colour Set.....STD	1. Adjust Bright Control. a = 2.3 ± 0.2Vp-p 2. Connect the waveform. b = 1.3 ± 0.5Vp-p

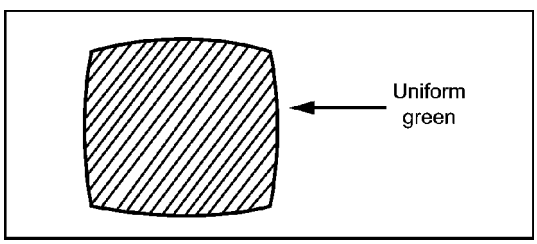
Before Colour Purity, Convergence and White Balance adjustments are attempted, V. Center, V. Hei Width, H. Center and Focus adjustments must be completed.

5.8. COLOUR PURITY

1. Set Bright and Contrast controls to their maximum positions.
2. Operate the TV set over 60 minutes.
3. Full degauss the picture tube by using an external degaussing coil. By rotating R-B static convergence magnet.
4. Apply a crosshatch pattern signal and adjust roughly the static convergence magnets.
5. Apply a green pattern signal.
6. Loosen a clamp screw for the Deflection Yoke and move the Deflection Yoke as close to the purity magnet as possible.
7. Adjust the purity magnet so that a vertical green field is obtained at the center of the screen.

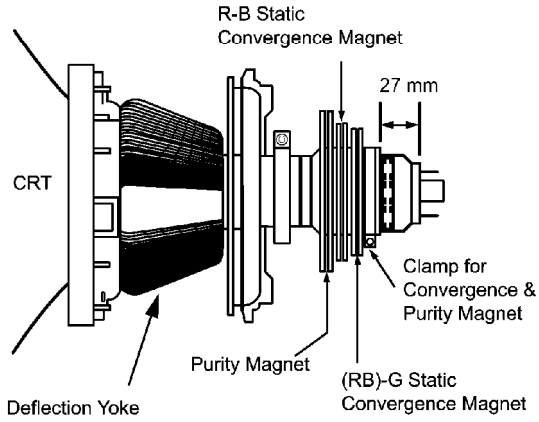


8. Slowly press the Deflection Yoke and set it where a uniform green field is obtained.



9. Adjust roughly the Low Light controls and make sure that a uniform white field is obtained.

10. Tighten the clamp screw.

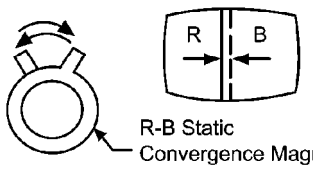
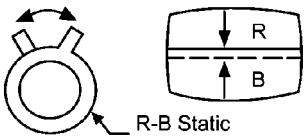


5.9. CONVERGENCE

1. Apply a crosshatch pattern signal and set Contrast control to the maximum position.

2. Adjust Bright control to obtain a clear pattern.

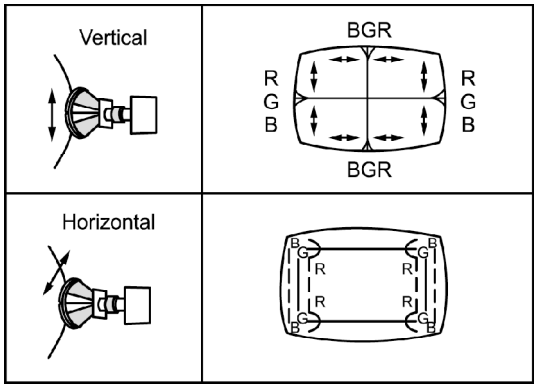
3. Adjust Red and Blue line at center of the screen.

Vertical Convergence Red & Blue	Slide magnetic tabs toward or away from each other. 
Horizontal Convergence Red & Blue	Rotate both magnetic rings together. 

4. Adjust Red and Blue with Green line at center of the screen by rotating (RB)-G static convergence magnet.

5. Lock convergence magnets with silicone sealer.

6. Remove the DY wedges and slightly tilt the Deflection Yoke vertically.



7. Fix the Deflection Yoke by re-inserting the DY wedges.
8. If purity error is found, repeat “Colour Purity” adjustment.

5.10. WHITE BALANCE (MARKET MODE CHK 3)

Preparation

1. Receive a colour bar signal with colour “OFF”, and operate the TV set for more than 30 minutes.
2. Set the picture menu to “DYNAMIC NORMAL” and the AI to off.
3. Connect an oscilloscope to TPL7 with DC mode.
4. Set the TV set to Market Mode : white balance adjustment (CHK 3).
5. Screen VR : Min.
6. Set the data level of RGB CUT OFF / DRIVE and SUB BRIGHT.

Display	Data Level
R-CUT OFF	63
G-CUT OFF	128
B-CUT OFF	63
R-DRIVE	128
B-DRIVE	128
SUB BRIGHT	63

Adjustment of Low Light

1. Adjustment Sub Bright, so that Y = 6.5 ± 1.0 nit.
2. Adjustment R-CUT OFF, so that X = 0.243 ± 0.010 nit.
3. Adjustment G-CUT OFF, so that Y = 0.255 ± 0.010 nit.

Adjustment of Low Light

1. Adjustment Sub Bright, so that Y = 150 nit.
2. Adjustment R-Drive, so that X = 0.260 ± 0.010 nit.

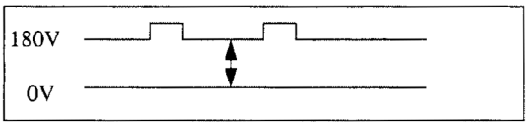
3. Adjustment B-Drive, so that Y = 0.265 ± 0.010 nit.

Adjustment

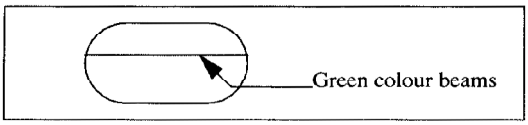
1. Select G-CUTOFF adjustment mode and collapse vertical scan.

2. Adjust G-CUTOFF control to become the DC=0 V to video level at 180 V as shown in Fig. 1.

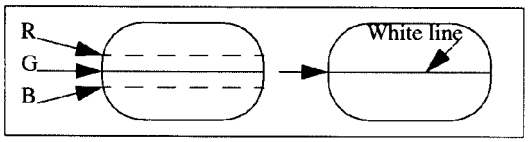
Fig. 1



3. Slowly turn the screen control clockwise until a green colour horizontal line appears on the picture tube. This is the setting point for the screen control. / Note:
Do not adjust the G-CUTOFF setting in the following procedure.



4. Adjust the remaining R and B-CUTOFF controls so as to get a white horizontal line on the screen.



5. Return to full field SCAN by pushing the position 5 key on the remote control.

6. Adjust the R-Drive and B-Drive controls as to obtain a uniform white on the white bar of the greyscale pattern.

7. Confirm correct B/W rendition and greyscale tracking or repeat CUTOFF and drive control setup. / /
Note: / Write down the original value for each address adjustment before adjusting anything.

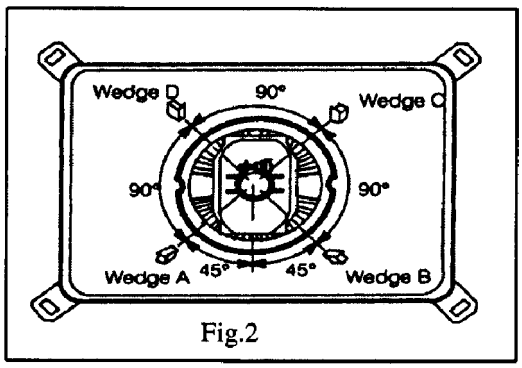


Fig.2

8. **Wedge A shown in Fig. 2 should be fixed within a range of 45° to the left of the vertical line as shown.**
9. **After inserting wedge A, insert wedges B, C and D. / The wedges should be set 90° apart from each other.**
10. **Be certain that the four wedges are firmly fixed and the Deflection Yoke is tightly clamped in place otherwise the Deflection Yoke may shift its position and cause a loss of convergence and purity.**

6. Conductor Views

6.1. A-Board

7. Schematic Diagrams

7.1. SCHEMATIC DIAGRAM FOR MODEL / (MX-12 CHASSIS)

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Notes:

1. **Resistor**
   All resistors are carbon 1/4W resistor, unless marked as follows:
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
   - ◯ : Nonflammable
   - △ : Solid
   - ▨ : Wire Wound
   - ⊠ : Metal Oxide
   - ◎ : Metal Film
   - ⊗ : Fuse:
2. **Capacitor**
   All capacitors are ceramic 50V capacitor, unless marked as follows:
   Unit of capacitance is μF, unless otherwise noted.
   - ⊗ : Temperature Compensation
   - Ⓜ : Polyester
   - ⓜ : Metalized Polyester
   - ⊠ : Polypropylene
   - : Electrolytic
   - : Bipolar
   - ① : Dipped Tantalum
   - ⓩ : Z-Type
3. Coil
   Unit of inductance is μF, unless otherwise noted.
4. Test Point
   - ⚲ : Test Point position
5. Earth Symbol
   - ⏚ : Chassis Earth (Cold)
   - ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   - Power Source ..... AC 110-240V, 50/60 Hz
   - Receiving Signal ..... Colour Bar signal (RF)
   - All customer's controls ..... Maximum positions
7. Number in red circle indicates waveform number.
   (See waveform pattern table.)
8. When arrow mark (↗) is found, connection is easily found from the direction of arrow
9. Indicates the major signal flow. ➡ : Video ⇨ : Audio
10. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
      Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.
2. Following diodes are interchangeable.
   MA150- MA162 (Replacement part)

7.2. GM BOARD

7.2.1. GM BOARD 1/2

7.2.2. GM BOARD 2/2

7.3. A BOARD

7.3.1. A BOARD 1/4

7.3.2. A BOARD 2/4

7.3.3. A BOARD 3/4

7.3.4. A BOARD 4/4

7.4. H BOARD

7.4.1. H BOARD 1/2

7.4.2. H BOARD 2/2

7.5. YC BOARD

7.5.1. YC BOARD 1/2

7.5.2. YC BOARD 2/2

7.6. L BOARD

7.6.1. L BOARD 1/3

7.6.2. L BOARD 2/3

7.6.3. L BOARD 3/3

7.7. X BOARD

7.7.1. X BOARD 1/3

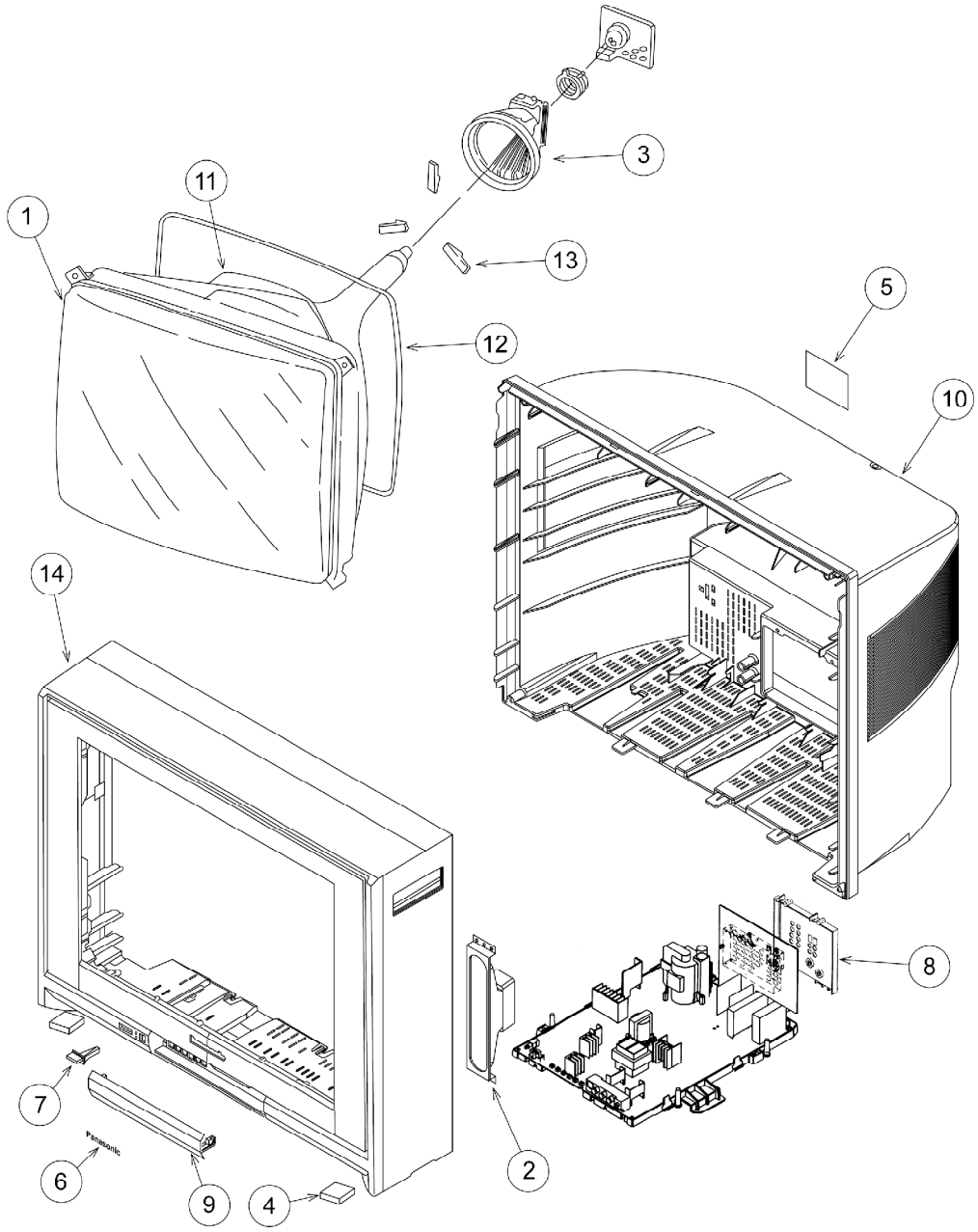
7.7.2. X BOARD 2/3

7.7.3. X BOARD 3/3

8. Parts Locations

PARTS LOCATION

Note: The number on mechanical parts indicates Ref. No. of Replacement Parts List.



9. Replacement Parts List

9.1. Replacement Parts List Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: Printed circuit board assembly with "NLA" is no longer available after production discontinuation of the complete set.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide Metal Film	J : ±5%
S : Solid	K : ±10%
W : Wire Wound	M : ±20%

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V

Type Allowance

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester Polypropy- lene	F : ±1pF
	G : ±3pF
	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

9.2. Replacement Part List

Ref. No.	Part No.	Part Name & Description	Remarks
1	A60LUQ086X	PICTURE TUBE	⚠
2	EASG20S506A2	SPEAKER	
	EUR648083	REMOTE CONTROL	
3	KDY4QHA31F	DEFLECTION YOKE	⚠
4	TBL4G3405	SET LEG	
5	TBM4G0942	MODEL NAME PLATE	⚠
6	TBM4G3011	PANASONIC BADGE	
7	TBX4G89111	POWER BUTTON	
	THT4G1005R	CRT SCREW	
	TJB1726400	75OHM ADAPTOR	
8	TKP4G12720-1	REAR AV BRACKET	
9	TKP4G12881-1	DOOR	
10	TKU4GA0610-2	BACK COVER	
11	TLK4G9030A	ROTATION COIL	⚠
12	TLK4G9074X	DEGAUSSING COIL	⚠
	TMM4G502	RUBBER WASHER	
13	TMM4G508	RUBBER WEDGE	
NLA	TNP4G118BC	GM BOARD	⚠
NLA	TNP4G219AJ	A BOARD	⚠
NLA	TNP4G220AN	H BOARD	⚠
NLA	TNP4G221AE	YC BOARD	⚠
NLA	TNP4G228AF	L BOARD	⚠
NLA	TNP4G240AD	X BOARD	⚠
	TPD4G1106-1	CUSHION (TOP)	
	TPD4G2095-1	CUSHION (BOTTOM)	
	TPE4G14003	LAMI BAG	
	TPE4G14027	SET COVER	
	TQB4G3505	FAN BAG	
	TSM10032-3	MAGNET	
	TSN63115-4	PURITY MAGNET	
	TSX4G166H	AC POWER CORD	⚠
14	TXFKY02AS07	CABINET ASSY	
	TXFPC01AS07	CARTON	
	RESISTORS		
R101	ERG3FJ153H	M 15KOHM,J, 3W	
R106	ERJ6GEYJ823	M 82KOHM,J,1/10W	
R108	ERJ6GEYJ153	M 15KOHM,J,1/10W	
R110	ERJ6GEYJ100	M 10OHM,J,1/10W	
R115	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R116	ERJ6GEYJ470	M 47OHM,J,1/10W	
R117	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R118	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R119	ERJ6GEYJ121	M 120OHM,J,1/10W	
R120	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	
R121	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R125	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R126	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R127	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R128	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R180	ERJ6GEYJ331	M 330OHM,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R181	ERJ6GEYJ221	M 220OHM,J,1/10W	
R182	ERJ6GEYJ683	M 68KOHM,J,1/10W	
R183	ERJ6GEYJ333	M 33KOHM,J,1/10W	
R184	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R185	ERJ6GEYJ123	M 12KOHM,J,1/10W	
R186	ERJ6GEYJ331	M 330OHM,J,1/10W	
R187	ERJ6GEYJ393	M 39KOHM,J,1/10W	
R188	ERJ6GEYJ331	M 330OHM,J,1/10W	
R189	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	
R351	ER0S2CKF1001	M 1KOHM,F, 1/4W	
R352	ER0S2CKF1001	M 1KOHM,F, 1/4W	
R353	ER0S2CKF1001	M 1KOHM,F, 1/4W	
R354	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R355	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R356	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R357	ER0S2CKF1541	M1.54KOHM,F, 1/4W	
R602	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	
R610	ERJ6GEYJ101	M 100OHM,J,1/10W	
R611	ERJ6GEYJ101	M 100OHM,J,1/10W	
R612	ERJ6GEYJ101	M 100OHM,J,1/10W	
R615	ERJ6GEYJ563	M 56KOHM,J,1/10W	
R616	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R617	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	
R618	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	
R622	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R623	ERJ6GEYJ181	M 180OHM,J,1/10W	
R624	ERJ6GEYJ181	M 180OHM,J,1/10W	
R625	ERJ6GEYJ181	M 180OHM,J,1/10W	
R626	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R630	ERDS2TJ101	C 100OHM,J, 1/4W	
R631	ERDS2TJ101	C 100OHM,J, 1/4W	
R633	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R634	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R635	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R636	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R640	ERJ6GEYJ273	M 27KOHM,J,1/10W	
R641	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R645	ERJ6GEYJ273	M 27KOHM,J,1/10W	
R646	ERD25VJ822	C 8.2KOHM,J, 1/4W	
R651	ERJ6GEYJ512	M 5.1KOHM,J,1/10W	
R666	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R669	ERJ6GEYJ561	M 560OHM,J,1/10W	
R670	ERJ6GEYJ511	M 510OHM,J,1/10W	
R671	ERJ6GEYJ331	M 330OHM,J,1/10W	
R682	ERJ6GEYJ471	M 470OHM,J,1/10W	
R683	ERJ6GEYJ181	M 180OHM,J,1/10W	
R684	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R685	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R686	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R691	ERJ6GEYJ331	M 330OHM,J,1/10W	
R692	ERJ6GEYJ331	M 330OHM,J,1/10W	
R693	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R700	ERQ2CJPR68S	F 0.68OHM,J, 2W	
R708	ERQ1CJ101	F 100OHM,J, 1W	

Ref. No.	Part No.	Part Name & Description	Remarks
R709	ERQ2CJP102S	F 1KOHM,J, 2W	
R731	ERJ6ENF5602	M 56KOHM, 1/10W	
R732	ERJ6ENF5362	M53.6KOHM, 1/10W	
R733	ERJ6ENF4991	M4.99KOHM, 1/10W	
R734	ERJ6ENF2002	M 20KOHM, 1/10W	
R735	ERJ6ENF5602	M 56KOHM, 1/10W	
R736	ERJ6ENF1202	M 12KOHM, 1/10W	
R737	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R738	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R750	ER0S2CHF4992	M49.9KOHM,F, 1/4W	
R751	ERD25TJ104	C 100KOHM,J, 1/4W	
R752	ERDS2TJ103	C 10KOHM,J, 1/4W	
R753	ERDS2TJ821	C 820OHM,J, 1/4W	
R755	ER0S2CHF1503	M 150KOHM,F, 1/4W	
R756	ER0S2CKF1152	M11.5KOHM,F, 1/4W	
R758	TAR26NJ2R7Z	W 2.7OHM,J, 7W	
R760	ERJ6GEYJ393	M 39KOHM,J,1/10W	
R761	ERJ6GEYJ393	M 39KOHM,J,1/10W	
R762	ERJ6GEYJ273	M 27KOHM,J,1/10W	
R764	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	
R765	ERQ12HJ150P	F 15OHM,J, 1/2W	
R766	ERJ6GEY0R00	M 0OHM,J,1/10W	
R767	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R768	ERQ2CJP2R7S	F 2.7OHM,J, 2W	
R769	ERG2SJ821E	M 820OHM,J, 2W	
R770	ERJ6GEYJ563	M 56KOHM,J,1/10W	
R771	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R772	ERG1SJ101E	M 100OHM,J, 1W	
R773	D0AE622JA046	C 6.2KOHM,J, 1/4W	
R1102	ERJ6ENF1001	M 1KOHM, 1/10W	
R1103	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R1104	ER0S2CKF1002	M 10KOHM,F, 1/4W	
R1105	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1107	ERJ6GEYJ432	M 4.3KOHM,J,1/10W	
R1112	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R1120	ERDS2TJ101	C 100OHM,J, 1/4W	
R1121	ERDS2TJ472	C 4.7KOHM,J, 1/4W	
R1122	ERDS2TJ472	C 4.7KOHM,J, 1/4W	
R1123	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1124	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1131	ERJ6GEYJ101	M 100OHM,J,1/10W	
R1132	ERJ6GEYJ101	M 100OHM,J,1/10W	
R1133	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1134	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1135	ERJ6GEYJ101	M 100OHM,J,1/10W	
R1136	ERJ6GEYJ221	M 220OHM,J,1/10W	
R1137	ERJ6GEYJ221	M 220OHM,J,1/10W	
R1139	ERJ6GEYJ273	M 27KOHM,J,1/10W	
R1140	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R1141	ERDS2TJ102	C 1KOHM,J, 1/4W	
R1142	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R1144	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R1145	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R1146	ERDS2TJ102	C 1KOHM,J, 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1147	ERJ6GEYJ561	M 560OHM,J,1/10W	
R1148	ERJ6GEYJ561	M 560OHM,J,1/10W	
R1149	ERJ6GEYJ561	M 560OHM,J,1/10W	
R1150	ERJ6GEYJ331	M 330OHM,J,1/10W	
R1151	ERJ6GEYJ331	M 330OHM,J,1/10W	
R1152	ERJ6GEYJ331	M 330OHM,J,1/10W	
R1153	ERJ6GEY0R00	M 0OHM,J,1/10W	
R1154	ERJ6GEYJ391	M 390OHM,J,1/10W	
R1155	ERJ6GEYJ391	M 390OHM,J,1/10W	
R1156	ERJ6GEYJ391	M 390OHM,J,1/10W	
R1157	ERJ6GEYJ331	M 330OHM,J,1/10W	
R1158	ERJ6GEYJ331	M 330OHM,J,1/10W	
R1160	ERJ6GEYJ101	M 100OHM,J,1/10W	
R1161	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R1162	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R1163	ERDS2TJ221	C 220OHM,J, 1/4W	
R1164	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1165	ERDS2TJ221	C 220OHM,J, 1/4W	
R1166	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1167	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R1170	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1171	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1172	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1174	ERJ6GEYJ221	M 220OHM,J,1/10W	
R1175	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1180	ERJ6ENF6491	M6.49KOHM, 1/10W	
R1181	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R1182	ERJ6ENF1471	M1.47KOHM, 1/10W	
R1183	ERJ6ENF2051	M2.05KOHM, 1/10W	
R1184	ERJ6ENF3241	M3.24KOHM, 1/10W	
R1185	ERJ6ENF9531	M9.53KOHM, 1/10W	
R2101	ERDS1FJ150	C 15OHM,J, 1/2W	
R2104	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R2110	ERJ6GEY0R00	M 0OHM,J,1/10W	
R2111	ERJ6GEY0R00	M 0OHM,J,1/10W	
R2112	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R2113	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R2116	ERJ6GEYJ101	M 100OHM,J,1/10W	
R2117	ERJ6GEYJ101	M 100OHM,J,1/10W	
R2140	ERJ6GEYJ471	M 470OHM,J,1/10W	
R2141	ERJ6GEYJ101	M 100OHM,J,1/10W	
R2801	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R3101	ERJ6GEYJ750	M 75OHM, 1/10W	
R3106	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3107	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R3108	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3109	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R3110	ER0S2CHF2002	M 20KOHM,F, 1/4W	
R3111	ER0S2CKF1052	M10.5KOHM,F, 1/4W	
R3112	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R3113	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R3114	ERJ6GEYJ221	M 220OHM,J,1/10W	
R4800	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R4803	ERX2SJ2R7E	M 2.7OHM,J, 2W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4804	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R4805	ERJ6ENF1331	M1.33KOHM, 1/10W	
R4806	ERJ6ENF3320	M 332OHM, 1/10W	
R4807	ERJ6ENF1001	M 1KOHM, 1/10W	
R4808	ERJ6ENF3832	M38.3KOHM, 1/10W	
R4809	ERJ6ENF9091	M9.09KOHM, 1/10W	
R4810	ERJ6ENF2213	M 221KOHM, 1/10W	
R4811	ERJ6ENF5491	M5.49KOHM, 1/10W	
R4812	ER0S2CKF5621	M5.62KOHM,F, 1/4W	
R4815	ERDS1FJ100	C 10OHM,J, 1/2W	
R4816	ERDS1FJ390	C 39OHM,J, 1/2W	
R4829	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R4837	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R4840	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R4841	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R4842	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R4843	ERJ6GEYJ471	M 470OHM,J,1/10W	
R4844	ERJ6GEYJ561	M 560OHM,J,1/10W	
R4850	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R4853	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R4855	ERJ6GEYJ101	M 100OHM,J,1/10W	
R4857	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R4862	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	
R4863	EVMEGSA00B23	VARIABLE RESISTOR	
R5501	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	
R5502	ERJ6GEYJ151	M 150OHM,J,1/10W	
R5503	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R5504	ERJ6GEYJ301	M 300OHM,J,1/10W	
R5505	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	
R5506	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R5510	ERJ6GEYJ390	M 39OHM,J,1/10W	
R5511	ERJ6GEYJ681	M 680OHM,J,1/10W	
R5512	ERJ6GEYJ101	M 100OHM,J,1/10W	
R5513	ERJ6GEYJ121	M 120OHM,J,1/10W	
R5514	ERJ6GEYJ683	M 68KOHM,J,1/10W	
R5515	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R5516	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R5517	ERJ6GEYJ151	M 150OHM,J,1/10W	
R5518	ERJ6GEYJ121	M 120OHM,J,1/10W	
R5520	ERJ6GEYJ331	M 330OHM,J,1/10W	
R5521	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R5522	ERJ6GEYJ561	M 560OHM,J,1/10W	
R5525	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R5526	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R5527	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R5528	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R5529	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R5530	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R5531	ERJ6GEYJ681	M 680OHM,J,1/10W	
R5532	ERJ6GEYJ271	M 270OHM,J,1/10W	
R5533	ERJ6GEYJ683	M 68KOHM,J,1/10W	
R5534	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R5535	ERJ6GEYJ101	M 100OHM,J,1/10W	
R5540	ERJ6GEYJ151	M 150OHM,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R5541	ERJ6GEYJ202	M 2KOHM,J,1/10W	
C377	ECA1CM101B	E 100UF, 16V	
C402	ECA1CM102B	E 1000UF, 16V	
C403	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C404	ECA1HM100B	E 10UF, 50V	
C406	ECSF1VE474V	T 0.47UF, 35V	
C407	ECA1HM2R2B	E 2.2UF, 50V	
C408	ECJ2VB1H153K	C 0.015UF, K, 50V	
C452	ECJ2VC1H102J	C 1000PF, J, 50V	
C474	ECA1HM010B	E 1UF, 50V	
C475	ECA1VM221B	E 220UF, 35V	
C476	ECA1VM222E	E 2200UF, 35V	
C477	ECA1HM2R2B	E 2.2UF, 50V	
C478	ECQB1104JF	P 0.1UF, J,100V	
C479	ECQB1274JF	P 0.27UF, J,100V	
C501	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C509	ECA1HM010B	E 1UF, 50V	
C511	ECQM1393KZ	P 0.039UF, K,100V	
C512	ECEA2CNR47S	E 0.47UF, 160V	
C513	ECA2EM220B	E 22UF, 250V	
C514	ECKR2H331KB5	C 330PF, K,500V	
C515	ECKR2H471KB5	C 470PF, K,500V	
C516	ECA1VM332E	E 3300UF, 35V	
C520	ECQM4822JZ	P 8200PF, J,400V	
C530	ECA1HM100B	E 10UF, 50V	
C531	ECKR2H271KB5	C 270PF, K,500V	
C533	ECA1VM470B	E 47UF, 35V	
C534	ECQV1H104JL	P 0.1UF, J, 50V	
C535	ECA160V33UE	E 33UF, 160V	
C543	ECKR2H332KB5	C 3300PF, K,500V	
C544	L7Y5P4B222K	C 2200PF, K,500V	
C551	ECWH20102JVY	P 1000PF,J, 2KV	
C553	ECQP1223JZ	P 0.022UF, J,100V	
C554	ECWH20272JVY	P 2700PF,J, 2KV	
C559	ECQM4333JZ	P 0.033UF, 400V	
C560	ECWH20123JVB	P 0.012UF,J, 2KV	
C561	ECQM4473JZ	P 0.047UF, J,400V	
C582	ECJ2FB1H473K	C 0.047UF, K, 50V	
C583	ECJ2VC1H120J	C 12PF, J, 50V	
C585	ECA1HM4R7B	E 4.7UF, 50V	
C586	ECA1HM470B	E 47UF, 50V	
C601	ECA1HMR47B	E 0.47UF, 50V	
C602	ECA1HM100B	E 10UF, 50V	
C604	ECJ2VC1H100C	C 10PF, C, 50V	
C605	F2A1HR22A182	E 0.22UF, 50V	
C606	ECJ2VB1H222K	C 2200PF, K, 50V	
C607	ECA1HMR47B	E 0.47UF, 50V	
C608	ECJ2VC1H331J	C 330PF, J, 50V	
C609	ECJ2VB1H333K	C 0.033UF, K, 50V	
C610	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C611	ECA1HM470B	E 47UF, 50V	
C615	ECJ2VF1C105Z	C 1UF, Z, 16V	
C623	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C624	ECJ2VF1H104Z	C 0.1UF, Z, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C625	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C630	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C631	ECA1HM470B	E 47UF, 50V	
C645	ECJ2VF1C105Z	C 1UF, Z, 16V	
C655	ECJ2VF1C105Z	C 1UF, Z, 16V	
C657	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C658	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C665	ECA1HM100B	E 10UF, 50V	
C666	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C667	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C670	ECJ2VF1C105Z	C 1UF, Z, 16V	
C671	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C672	ECJ2VF1C105Z	C 1UF, Z, 16V	
C673	ECJ2VF1C105Z	C 1UF, Z, 16V	
C885	ECA1CM101B	E 100UF, 16V	
C886	ECJ2VF1C105Z	C 1UF, Z, 16V	
C887	F2A1C471A116	E 470UF, 16V	
C888	ECJ2VF1C105Z	C 1UF, Z, 16V	
C889	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C904	F1B1H103A013	C 0.01UF, 50V	
C952	ECA1HHG100	E 10UF, 50V	
C953	F1B1H103A013	C 0.01UF, 50V	
C958	ECA2CM470B	E 47UF, 160V	
C959	ECKW2H103ZF7	C 0.01UF, Z,500V	
C960	ECCR2H151J	C 150PF, J,500V	
C961	ECA2AM100B	E 10UF, 100V	
C962	ECKW2H103ZF7	C 0.01UF, Z,500V	
C963	ECCR2H151J	C 150PF, J,500V	
C964	ECA1CHG101	E 100UF, 16V	
C965	ECA2CM220B	E 22UF, 160V	
C966	ECA1CHG101	E 100UF, 16V	
C967	ECA1CM221B	E 220UF, 16V	
C971	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C980	ECA1CM101B	E 100UF, 16V	
C1051	ECUX1H101JCX	C 100PF, J, 50V	
C1052	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1053	ECA1CM221B	E 220UF, 16V	
C1101	ECJ2VC1H471J	C 470PF, J, 50V	
C1102	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1103	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1104	ECJ2VC1H102J	C 1000PF, J, 50V	
C1120	ECA1HM4R7B	E 4.7UF, 50V	
C1121	ECA1HM4R7B	E 4.7UF, 50V	
C1131	ECJ2VC1H560J	C 56PF, J, 50V	
C1132	ECJ2VC1H560J	C 56PF, J, 50V	
C1133	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C1134	ECA0JM221B	E 220UF, 6.3V	
C1145	ECJ2VC1H680J	C 68PF, J, 50V	
C1153	ECUX1H151JCX	C 150PF, J, 50V	
C1155	ECA1CM471B	E 470UF, 16V	
C1156	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1157	ECA1CM471B	E 470UF, 16V	
C1158	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1180	ECJ2VF1H103Z	C 0.01UF, Z, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2101	ECA1CM101B	E 100UF, 16V	
C2102	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2103	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C2110	ECJ2VC1H102J	C 1000PF, J, 50V	
C2111	ECJ2VC1H102J	C 1000PF, J, 50V	
C2113	ECA1CM100B	E 10UF, 16V	
C2114	ECA1CM100B	E 10UF, 16V	
C2115	ECA1HM101B	E 100UF, 50V	
C2116	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2120	ECA1HM3R3B	E 3.3UF, 50V	
C2121	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2124	ECA1HM100B	E 10UF, 50V	
C2125	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2126	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2127	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2128	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2129	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2132	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2133	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2140	ECA1CM470B	E 47UF, 16V	
C2141	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2142	ECA1CM101B	E 100UF, 16V	
C2143	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2145	ECJ2VC1H560J	C 56PF, J, 50V	
C2146	ECJ2VC1H560J	C 56PF, J, 50V	
C2148	ECJ2VC1H470J	C 47PF, J, 50V	
C2149	ECJ2VC1H070D	C 7PF, D, 50V	
C4801	ECEA1EKS4R7	E 4.7UF, 25V	
C4803	ECQV1H334JM	P 0.33UF, J, 50V	
C4804	ECQV1H334JM	P 0.33UF, J, 50V	
C4805	ECA1VM470B	E 47UF, 35V	
C4806	ECA1HM4R7B	E 4.7UF, 50V	
C4808	ECEA1EKS330	E 33UF, 25V	
C4811	ECJ2VB1H103K	C 0.01UF, K, 50V	
C4812	ECA1HM100B	E 10UF, 50V	
C4813	ECA1CM101B	E 100UF, 16V	
C4814	ECA1CM101B	E 100UF, 16V	
C4822	ECHU1C103JA5	P 0.01UF, J, 16V	
C4824	ECEA1CN100U	E 10UF, 16V	
C4825	EEUFC1C560B	E 56UF, 16V	
C5501	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5502	ECA1CM470B	E 47UF, 16V	
C5503	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C5504	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5510	ECA1CM101B	E 100UF, 16V	
C5511	ECJ2VC1H680J	C 68PF, J, 50V	
C5512	ECEA1AKN470	E 47UF, 10V	
C5513	ECUX1H101JCX	C 100PF, J, 50V	
C5514	ECJ2VC1H181J	C 180PF, J, 50V	
C5520	ECA1CM101B	E 100UF, 16V	
C5526	ECUX1H151JCX	C 150PF, J, 50V	
C5540	ECJ2VB1H222K	C 2200PF, K, 50V	
C5541	ECEA1HKA100	E 10UF, 50V	
C5542	ECJ2VF1H103Z	C 0.01UF, Z, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C5543	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5544	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5545	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5547	ECUX1H330JCX	C 33PF, J, 50V	
C5548	ECUX1H330JCX	C 33PF, J, 50V	
C5549	ECUX1H330JCX	C 33PF, J, 50V	
C5551	ECJ2VB1H103K	C 0.01UF, K, 50V	
C5552	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5553	ECEA0JKA331	E 330UF, 6.3V	
C5554	ECEA0JKA221	E 220UF, 6.3V	
C5555	ECEA1CKA101	E 100UF, 16V	
C5556	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C5557	ECA1CM100B	E 10UF, 16V	
C5558	ECJ2VC1H680J	C 68PF, J, 50V	
C5560	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5561	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5562	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5564	ECEA0JKA221	E 220UF, 6.3V	
C5565	ECJ2VB1H103K	C 0.01UF, K, 50V	
C5566	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C5567	ECA1HM010B	E 1UF, 50V	
C5568	ECA1HM010B	E 1UF, 50V	
C5570	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5571	ECJ2VC1H150J	C 15PF, J, 50V	
C5572	ECJ2VC1H150J	C 15PF, J, 50V	
C5573	ECA1HM220B	E 22UF, 50V	
C5574	ECEA0JKA331	E 330UF, 6.3V	
C5575	ECJ2VB1H103K	C 0.01UF, K, 50V	
C5576	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5577	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C5578	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5580	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5581	ECEA1CKN220	E 22UF, 16V	
C5585	ECJ2VC1H150J	C 15PF, J, 50V	
C5586	ECJ2VC1H560J	C 56PF, J, 50V	
C5587	ECJ2VC1H150J	C 15PF, J, 50V	
C5588	ECJ2VC1H121J	C 120PF, J, 50V	
C5590	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5591	ECEA1EKN4R7	E 4.7UF, 25V	
C5595	ECA1CM470B	E 47UF, 16V	
L4804	TALL08T102JA	INDUCTION COIL	
L4810	EXCELDR35V	CORE	
L5501	TALV35VB100J	PEAKING COIL	
L5510	TALV35VB100J	PEAKING COIL	
L5520	TALV35VB100J	PEAKING COIL	
L5537	EXCELDR35V	CORE	
L5538	EXCELDR35V	CORE	
L5539	EXCELDR35V	CORE	
L5550	TLTACT150J	PEAKING COIL	
L5551	G0C101J00001	PEAKING COIL	
L5552	EXCELDR25V	CORE	
L5554	EXCELDR35V	CORE	
L5555	TALV35VB100J	PEAKING COIL	
L5556	TLTACT150J	PEAKING COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L5557	EXCELSA35T	BEAD CORE	
L5558	TSK1032	BEAD CORE	
L5570	TLTACT270J	PEAKING COIL 27U	
L5580	TLTACT470J	PEAKING COIL	
L5581	TLTACT180J	PEAKING COIL	
L5582	EXCELSA35T	BEAD CORE	
LC4801	L2DA00000006	GEOMAGNETIC SENSO	
	TRANSFORMERS		
T501	ZTFN34003A	FLYBACK TRANSFORM	⚠
T551	ETH19Y210AZ	H DRIVE TRANS	⚠
T801	G4D3Z0000001	SWITCHING TRANSFO	⚠
T3010	TSK1040	BEAD CORE	
T3060	TSK1040	BEAD CORE	
T3101	TSK1040	BEAD CORE	
	DIODES		
D110	B0BA01500003	ZENER DIODE	
D111	B0BA01600007	ZENER DIODE	
D120	MA858	DIODE	
D354	MA152KTX	DIODE	
D355	MA152KTX	DIODE	
D356	MA152KTX	DIODE	
D357	MTZJ15B	ZENER DIODE	
D360	ERA22-04	DIODE	
D361	ERA22-04	DIODE	
D362	ERA22-04	DIODE	
D363	MA152KTX	DIODE	
D365	MTZJ10C	ZENER DIODE	
D375	MA152KTX	DIODE	
D401	MA29W-A	DIODE	
D402	MA29W-A	DIODE	
D466	MTZJ39E	ZENER DIODE	
D467	ERA15-01	DIODE	
D468	MTZJ39E	ZENER DIODE	
D469	MTZJ39E	ZENER DIODE	
D470	MA167	DIODE	
D471	MA167	DIODE	
D511	MA152KTX	DIODE	
D512	MA182	DIODE	
D513	AU02	DIODE	
D515	B0HAMP000054	DIODE	
D517	MTZJ12B	ZENER DIODE	
D530	MA4104J	DIODE	
D531	MA171	DIODE	
D552	B0HANV000002	DIODE	
D553	RU3ANLFA10	DIODE	
D554	MA185	DIODE	
D580	MTZJ10C	ZENER DIODE	
D582	MA4082H	DIODE	
D583	MA4082H	DIODE	
D612	MA3068MTX	DIODE	
D613	MA3068MTX	DIODE	
D614	MA3068MTX	DIODE	
D731	MA152KTX	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
IC731	NJM2904M	LINEAR IC	
IC760	TEA2031A	IC	
IC801	C5HABZZ00107	IC, POWER SUPPLY	⚠
IC860	C0EAS0000026	IC	
IC880	PQ12RD1B	LINEAR IC	
IC881	C0DAFKE00001	IC, POWER SUPPLY	⚠
IC1051	B3RAC0000005	REMOTE CONTROL RE	
IC1101	MN101C46FTM2	IC	
IC1102	TVR4GAS195	EEPROM IC (C3EBGZ	
IC2101	MSP3460GAB83	IC	
IC2801	TDA2616/N1	IC	
IC3001	C1AB00001794	IC	
IC3002	C1AB00001162	IC	
IC3003	TDA8601T/C1	IC	
IC3101	MM1501XNRE	IC	
IC4801	PUB4301	TRANSISTOR ARRAY	
IC4802	AN6564NS	LINEAR IC	
IC4805	TC4066BFN	IC	
IC4861	AN6562	LINEAR IC	
IC5501	MM1501XNRE	IC	
IC5550	MN82362	IC	
	TRANSISTORS		
Q115	2SC2480TX	TRANSISTOR	
Q116	2SD0601A0L	TRANSISTOR	
Q180	2SB709ATX	TRANSISTOR	
Q181	2SD0601A0L	TRANSISTOR	
Q182	2SD0601A0L	TRANSISTOR	
Q183	2SD0601A0L	TRANSISTOR	
Q369	2SB709ATX	TRANSISTOR	
Q501	2SD0601A0L	TRANSISTOR	
Q502	2SB709ATX	TRANSISTOR	
Q520	2SD0601A0L	TRANSISTOR	
Q541	2SC4212H	TRANSISTOR	
Q551	2SC5902000LK	TRANSISTOR	
Q585	2SB709ATX	TRANSISTOR	
Q601	2SD0601A0L	TRANSISTOR	
Q640	2SB709ATX	TRANSISTOR	
Q641	2SB709ATX	TRANSISTOR	
Q662	2SD0601A0L	TRANSISTOR	
Q680	2SD0601A0L	TRANSISTOR	
Q691	2SD0601A0L	TRANSISTOR	
Q750	2SA1018Q	TRANSISTOR	
Q760	2SB709ATX	TRANSISTOR	
Q840	2SD0601A0L	TRANSISTOR	
Q860	2SD0601A0L	TRANSISTOR	
Q864	2SD0601A0L	TRANSISTOR	
Q865	2SD0601A0L	TRANSISTOR	
Q945	2SD0601A0L	TRANSISTOR	
Q953	2SC1318	TRANSISTOR	
Q954	2SB1030A	TRANSISTOR	
Q955	2SA21180PSLB	TRANSISTOR	
Q956	2SC59350PSLB	TRANSISTOR	
Q957	2SB709ATX	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q958	2SD0601A0L	TRANSISTOR	
Q962	2SD0601A0L	TRANSISTOR	
Q963	2SC54190RA	TRANSISTOR	
Q964	2SB14880QA	TRANSISTOR	
Q1051	2SD0601A0L	TRANSISTOR	
Q1140	2SD0601A0L	TRANSISTOR	
Q1144	2SD0601A0L	TRANSISTOR	
Q1160	2SD0601A0L	TRANSISTOR	
Q1170	2SB709ATX	TRANSISTOR	
Q1171	2SB709ATX	TRANSISTOR	
Q1172	2SB709ATX	TRANSISTOR	
Q2110	2SB709ATX	TRANSISTOR	
Q2111	2SB709ATX	TRANSISTOR	
Q2801	2SD0601A0L	TRANSISTOR	
JA22	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA24	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA25	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA30	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA32	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA33	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA35	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA36	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA37	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA38	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA40	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA41	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA45	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA52	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA53	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA54	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA55	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA56	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA60	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA61	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA70	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA71	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA75	ERJ6GEY0R00	M 0OHM,J,1/10W	
JK351	K3B122A00001	CRT SOCKET	⚠
JK3001	K4BC21A00002	REAR AV TERMINAL	
JK3101	K4BK07B00006	FRONT AV TERMINAL	
JS184	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS364	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS876	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS877	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS880	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS1140	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS1141	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS1142	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS1143	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS1144	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS2331	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3030	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3031	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3064	ERJ6GEY0R00	M 0OHM,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
JS3065	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3071	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3072	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3080	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3081	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS3102	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS5507	ERJ6GEY0R00	M 0OHM,J,1/10W	
JS5541	ERJ6GEY0R00	M 0OHM,J,1/10W	
L2	TJS118590	2P CONNECTOR	
L23	TJS3A9680	7P CONNECTOR	
L41	TJS3A9680	7P CONNECTOR	
RL801	K6B1ADA00010	RELAY	⚠
RT1	TJS3A9640	3P CONNECTOR	
RT2	TJS3A9640	3P CONNECTOR	
S801	ESB92DA1B	SWITCH	⚠
S1180	EVQ11G05R	SWITCH	
S1181	EVQ11G05R	SWITCH	
S1182	EVQ11G05R	SWITCH	
S1183	EVQ11G05R	SWITCH	
S1184	EVQ11G05R	SWITCH	
S1185	EVQ11G05R	SWITCH	
TNR101	J3AAAAZ00001	TUNER	⚠
X20	TJS4G8010	16P CONNECTOR	
X22	TJS4G8010	16P CONNECTOR	
X23	TJS3A9680	7P CONNECTOR	
X101	K7256M	SAW FILTER	⚠
X180	EFCS4R5MW5	CERAMIC FILTER	
R358	ERG12DJ124	M 120KOHM,J, 1/2W	
R359	ERG12DJ124	M 120KOHM,J, 1/2W	
R360	ERG12DJ124	M 120KOHM,J, 1/2W	
R361	ERJ6ENF2002	M 20KOHM, 1/10W	
R362	ERJ6ENF4701	M 4.7KOHM, 1/10W	
R363	ERC12GK222	S 2.2KOHM,K, 1/2W	
R364	ERC12GK222	S 2.2KOHM,K, 1/2W	
R365	ERC12GK222	S 2.2KOHM,K, 1/2W	
R369	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R371	ER0S2CKF1541	M1.54KOHM,F, 1/4W	
R372	ER0S2CKF1541	M1.54KOHM,F, 1/4W	
R374	ERQ12AJ181P	F 180OHM,J, 1/2W	
R381	ERJ6GEY0R00	M 0OHM,J,1/10W	
R401	ERDS1TJ271	C 270OHM,J, 1/2W	
R402	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	
R403	ERJ6GEYJ333	M 33KOHM,J,1/10W	
R468	ER0S2CHF4871	M4.87KOHM,F, 1/4W	
R469	ER0S2CHF3741	M3.74KOHM,F, 1/4W	
R471	ERDS2TJ682	C 6.8KOHM,J, 1/4W	
R472	ERDS2TJ393	C 39KOHM,J, 1/4W	
R473	ER0S2CHF4301	M 4.3KOHM,F, 1/4W	
R474	ERDS2TJ333	C 33KOHM,J, 1/4W	
R475	ERDS1FJ1R0	C 1OHM,J, 1/2W	
R476	ERDS1FJ1R0	C 1OHM,J, 1/2W	
R477	ERG2ANJP221H	M 220OHM,J, 2W	
R478	ERDS1FJ1R5	C 1.5OHM,J, 1/2W	

Ref. No.	Part No.	Part Name & Description	Remarks
R479	ERG2ANJP102H	M 1KOHM,J, 2W	
R501	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R502	ERJ6GEYJ473	M 47KOHM,J,1/10W	
R503	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R504	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	
R505	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R506	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R507	ERDS2TJ104	C 100KOHM,J, 1/4W	
R508	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R509	ERJ6GEYJ474	M 470KOHM,J,1/10W	
R510	ERJ6GEYJ824	M 820KOHM,J,1/10W	
R512	ERDS2TJ223	C 22KOHM,J, 1/4W	
R513	ERQ14AJ2R0E	F 2.0OHM,J, 1/4W	
R514	ERDS1TJ394	C 390KOHM,J, 1/2W	
R515	ERQ1RJW1R0E	F 1OHM,J, 1W	
R519	ERDS2TJ102	C 1KOHM,J, 1/4W	
R520	ERG1SJ333E	M 33KOHM,J, 1W	
R521	ER050CHF5902	M 59KOHM,F, 1/2W	
R522	ERJ6ENF1502	M 15KOHM, 1/10W	
R523	ERJ6ENF1502	M 15KOHM, 1/10W	
R524	ERJ6ENF3902	M 39KOHM, 1/10W	
R525	ERJ6ENF2202	M 22KOHM, 1/10W	
R526	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R530	ERQ14AJ100E	F 10OHM,J, 1/4W	
R531	ER0S2CKF1152	M11.5KOHM,F, 1/4W	
R532	ER0S2CKF1052	M10.5KOHM,F, 1/4W	
R533	ER0S2CKF1002	M 10KOHM,F, 1/4W	
R540	ERDS2TJ561	C 560OHM,J, 1/4W	
R541	ERDS2TJ241	C 240OHM,J, 1/4W	
R542	ERG3FJ392H	M 3.9KOHM,J, 3W	
R544	ERG3FJ122	M 1.2KOHM,J, 3W	
R579	ER0S2CHF4221	M4.22KOHM,F, 1/4W	
R583	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R584	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	
R585	ERDS2TJ392	C 3.9KOHM,J, 1/4W	
R586	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R587	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R588	ERJ6GEYJ513	M 51KOHM,J,1/10W	
R589	ERJ6GEYJ683	M 68KOHM,J,1/10W	
R601	ERJ6GEYJ333	M 33KOHM,J,1/10W	
R774	ERJ6GEYJ101	M 100OHM,J,1/10W	
R801	TAR26FJ2R7Z	W 2.7OHM, 15W	⚠
R810	ERG2FJ470	M 47OHM,J, 2W	
R811	ERG2SJS104H	M 100KOHM,J, 2W	
R814	ERQ12AJ100P	F 10OHM, 1/2W	
R817	ERDS1TJ100	C 10OHM,J, 1/2W	
R818	ERG2FJ562H	M 5.6KOHM,J, 2W	
R819	ERG5FJ473H	M 47KOHM,J, 5W	
R820	ERX12SZJR12E	M 0.12OHM,J, 1/2W	
R821	ERX12SZJR15E	M 0.15OHM,J, 1/2W	
R824	ERDS2TJ332	C 3.3KOHM,J, 1/4W	
R825	ERDS2TJ152	C 1.5KOHM,J, 1/4W	
R827	ERDS2TJ154	C 150KOHM,J, 1/4W	
R830	ERDS2TJ221	C 220OHM,J, 1/4W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R831	ERDS2TJ273	C 27KOHM,J, 1/4W	
R840	ERD75TAJ825	C 8.2MOHM,J, 3/4W	
R841	ERJ6GEYJ473	M 47KOHM,J,1/10W	
R842	ERJ6GEYJ331	M 330OHM,J,1/10W	
R850	ERDS1TJ102	C 1KOHM,J, 1/2W	
R851	ERDS2TJ102	C 1KOHM,J, 1/4W	
R859	ERX5FJ3R0	M 3OHM,J, 5W	
R861	ERDS1TJ102	C 1KOHM,J, 1/2W	
R862	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R868	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R870	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R871	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R874	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R880	ERJ6GEYJ473	M 47KOHM,J,1/10W	
R881	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R882	ERJ6ENF5362	M53.6KOHM, 1/10W	
R883	ER0S2CHF1502	M 15KOHM,F, 1/4W	
R884	ERJ6GEYJ681	M 680OHM,J,1/10W	
R885	ERJ6GEY0R00	M 0OHM,J,1/10W	
R952	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R953	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R954	ERJ6GEYJ331	M 330OHM,J,1/10W	
R956	ERJ6GEYJ510	M 51OHM,J,1/10W	
R958	ERJ6GEYJ391	M 390OHM,J,1/10W	
R960	ERQ14AJ100E	F 10OHM,J, 1/4W	
R961	ERQ1CJP331S	F 330OHM,J, 1W	
R962	ERDS2TJ330	C 33OHM,J, 1/4W	
R963	ERDS2TJ330	C 33OHM,J, 1/4W	
R964	ERQ14AJ471E	F 470OHM,J, 1/4W	
R965	ERDS2TJ223	C 22KOHM,J, 1/4W	
R966	ERDS1FVJ471T	C 470OHM,J, 1/2W	
R967	ERDS2TJ223	C 22KOHM,J, 1/4W	
R968	ERDS2TJ471	C 470OHM,J, 1/4W	
R969	ERDS2TJ390	C 39OHM,J, 1/4W	
R970	ERDS2TJ2R7	C 2.7OHM,J, 1/4W	
R971	ERDS2TJ2R7	C 2.7OHM,J, 1/4W	
R972	ERDS2TJ390	C 39OHM,J, 1/4W	
R973	ERDS2TJ101	C 100OHM,J, 1/4W	
R975	ERJ6GEYJ101	M 100OHM,J,1/10W	
R976	ERJ6GEYJ101	M 100OHM,J,1/10W	
R977	ERJ6GEYJ561	M 560OHM,J,1/10W	
R978	ERJ6GEYJ101	M 100OHM,J,1/10W	
R980	ERDS2TJ104	C 100KOHM,J, 1/4W	
R981	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R982	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R987	ERJ6GEYJ471	M 470OHM,J,1/10W	
R988	ERJ6GEYJ331	M 330OHM,J,1/10W	
R992	ERJ6GEYJ561	M 560OHM,J,1/10W	
R1051	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1053	ERJ6GEYJ470	M 47OHM,J,1/10W	
R1054	ERJ6GEYJ331	M 330OHM,J,1/10W	
R1055	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R1056	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R2803	ERDS2TJ8R2	C 8.2OHM,J, 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2804	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R2805	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R2806	ERJ6GEYJ123	M 12KOHM,J,1/10W	
R2813	ERDS2TJ8R2	C 8.2OHM,J, 1/4W	
R2814	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R2815	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R2830	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R2831	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R2832	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R2850	ERJ6GEYJ471	M 470OHM,J,1/10W	
R2851	ERJ6GEYJ471	M 470OHM,J,1/10W	
R3001	ERJ6GEYJ561	M 560OHM,J,1/10W	
R3005	ERJ6GEYJ331	M 330OHM,J,1/10W	
R3006	ERJ6GEYJ511	M 510OHM,J,1/10W	
R3009	ERJ6GEYJ331	M 330OHM,J,1/10W	
R3010	ERJ6GEYJ750	M 75OHM, 1/10W	
R3011	ERJ6GEYJ750	M 75OHM, 1/10W	
R3013	ERJ6GEYJ750	M 75OHM, 1/10W	
R3014	ERJ6GEYJ683	M 68KOHM,J,1/10W	
R3015	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R3016	ERJ6GEYJ681	M 680OHM,J,1/10W	
R3017	ERJ6GEYJ101	M 100OHM,J,1/10W	
R3018	ERJ6GEYJ121	M 120OHM,J,1/10W	
R3019	ERJ6GEYJ390	M 39OHM,J,1/10W	
R3020	ERJ6GEYJ750	M 75OHM, 1/10W	
R3021	ERJ6GEYJ331	M 330OHM,J,1/10W	
R3022	ERJ6GEYJ331	M 330OHM,J,1/10W	
R3023	ERJ6GEYJ331	M 330OHM,J,1/10W	
R3025	ERJ6GEYJ750	M 75OHM, 1/10W	
R3026	ERJ6GEYJ750	M 75OHM, 1/10W	
R3027	ERJ6GEYJ750	M 75OHM, 1/10W	
R3028	ERJ6GEYJ221	M 220OHM,J,1/10W	
R3029	ERJ6GEYJ221	M 220OHM,J,1/10W	
R3030	ERJ6GEYJ221	M 220OHM,J,1/10W	
R3031	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3032	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3033	ERJ6GEYJ184	M 180KOHM,J,1/10W	
R3034	ERJ6GEYJ184	M 180KOHM,J,1/10W	
R3039	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3043	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3044	ERJ6GEYJ681	M 680OHM,J,1/10W	
R3045	ERJ6GEYJ681	M 680OHM,J,1/10W	
R3050	ERJ6GEYJ750	M 75OHM, 1/10W	
R3051	ERJ6GEYJ750	M 75OHM, 1/10W	
R3052	ERJ6GEYJ750	M 75OHM, 1/10W	
R3053	ERJ6GEYJ331	M 330OHM,J,1/10W	
R3060	ERJ6GEYJ750	M 75OHM, 1/10W	
R3061	ERJ6GEYJ750	M 75OHM, 1/10W	
R3062	ERJ6GEYJ750	M 75OHM, 1/10W	
R3066	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3067	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3068	ERJ6GEYJ184	M 180KOHM,J,1/10W	
R3069	ERJ6GEYJ184	M 180KOHM,J,1/10W	
R3070	ERJ6GEYJ750	M 75OHM, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3073	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3074	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3075	ERJ6GEYJ184	M 180KOHM,J,1/10W	
R3076	ERJ6GEYJ184	M 180KOHM,J,1/10W	
R3082	ERJ6GEYJ101	M 100OHM,J,1/10W	
R3083	ERJ6GEYJ101	M 100OHM,J,1/10W	
R3084	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R3085	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R3086	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R3087	ERJ6GEYJ750	M 75OHM, 1/10W	
R3088	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3089	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5542	ERJ6GEYJ101	M 100OHM,J,1/10W	
R5543	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R5544	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R5545	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R5546	ERJ6GEYJ561	M 560OHM,J,1/10W	
R5547	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R5548	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5550	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5551	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R5552	ERJ6GEYJ151	M 150OHM,J,1/10W	
R5553	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	
R5554	ERJ6GEYJ202	M 2KOHM,J,1/10W	
R5555	ERJ6GEYJ151	M 150OHM,J,1/10W	
R5556	ERJ6GEYJ151	M 150OHM,J,1/10W	
R5557	ERJ6GEY0R00	M 0OHM,J,1/10W	
R5558	ERJ6GEYJ221	M 220OHM,J,1/10W	
R5559	ERJ6GEYJ471	M 470OHM,J,1/10W	
R5560	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R5561	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	
R5565	ERJ6GEYJ221	M 220OHM,J,1/10W	
R5566	ERJ6GEYJ821	M 820OHM,J,1/10W	
R5569	ERJ6GEYJ241	M 240OHM,J,1/10W	
R5570	ERJ6GEYJ101	M 100OHM,J,1/10W	
R5571	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5572	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R5573	ERD25VJ392	C 3.9KOHM,J, 1/4W	
R5580	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R5581	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R5582	ERJ6GEYJ123	M 12KOHM,J,1/10W	
R5583	ERJ6GEYJ123	M 12KOHM,J,1/10W	
R5584	ERJ6GEYJ151	M 150OHM,J,1/10W	
R5585	ERJ6GEYJ391	M 390OHM,J,1/10W	
R5586	ERJ6ENF1101	M 1.1KOHM, 1/10W	
R5587	ERJ6ENF3300	M 330OHM, 1/10W	
R5588	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5589	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5590	ERJ6ENF5231	M5.23KOHM, 1/10W	
R5591	ERJ6ENF2001	M 2KOHM, 1/10W	
R5592	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5593	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5594	ERJ6GEYJ153	M 15KOHM,J,1/10W	
R5595	ERJ6GEYJ561	M 560OHM,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
	CAPACITORS		
C101	ECEA1CKA220	E 22UF, 16V	
C103	ECQV1H224JL	P 0.22UF, J, 50V	
C110	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C111	ECA1AM471B	E 470UF, 10V	
C112	ECEA1HKA010	E 1UF, 50V	
C113	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C114	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C115	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C116	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C126	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C127	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C128	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C142	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C180	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C181	ECJ2VF1C105Z	C 1UF, Z, 16V	
C182	ECA1CM101B	E 100UF, 16V	
C354	ECUX1H330JCX	C 33PF, J, 50V	
C355	ECUX1H330JCX	C 33PF, J, 50V	
C356	ECUX1H330JCX	C 33PF, J, 50V	
C359	ECQM4104KZ	P 0.1UF, K,400V	
C368	ECQV1H224JL	P 0.22UF, J, 50V	
C370	ECKW3D102KBR	C 1000PF, K, 2KV	
C371	ECEA1CN100U	E 10UF, 16V	
C373	ECA2EM100B	E 10UF, 250V	
C674	ECJ2VB1H472K	C 4700PF, K, 50V	
C676	ECJ2VC1H221J	C 220PF, J, 50V	
C680	ECJ2VB1H222K	C 2200PF, K, 50V	
C681	ECA1HMR47B	E 0.47UF, 50V	
C682	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C690	ECA1HM100B	E 10UF, 50V	
C691	ECA1HM470B	E 47UF, 50V	
C692	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C693	ECA1HM470B	E 47UF, 50V	
C694	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C695	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C701	ECQV1H684JM	P 0.68UF, J, 50V	
C703	F0C2E754A040	P 0.75UF, 250V	
C705	ECWF2564JBB	P 0.56UF, J,250V	
C708	ECQE2824KF	P 0.82UF, K,250V	
C731	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C742	F2A1E2210045	E 220UF, 25V	
C750	ECA1HM100B	E 10UF, 50V	
C751	ECQB1H393JF	P 0.039UF, J, 50V	
C752	ECA1HM100B	E 10UF, 50V	
C753	ECKR1H101KB5	C 100PF, K, 50V	
C760	ECA1HHG101	E 100UF, 50V	
C761	ECQB1H102KF	P 1000PF, K, 50V	
C762	ECQV1H105JM	P 1UF, J, 50V	
C763	ECQV1H105JM	P 1UF, J, 50V	
C765	ECEA1HGE100	E 10UF, 50V	
C766	ECQB1H223JF	P 0.022UF, J, 50V	
C801	ECQU2A224BN9	P 0.22UF, 250V	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
C802	ECQU2A224BN9	P 0.22UF, 250V	⚠
C806	ECKWAE472ZED	C 4700PF, Z,500V	⚠
C807	ECKWAE472ZED	C 4700PF, Z,500V	⚠
C808	ECKWAE472ZED	C 4700PF, Z,500V	⚠
C809	ECKWAE472ZED	C 4700PF, Z,500V	⚠
C810	EETHC2G471K	E 470UF, 400V	
C811	ECQM4473JZ	P 0.047UF, J,400V	
C814	ECQE2A473JF	P 0.047UF, J,250V	
C816	ECA1VM100B	E 10UF, 35V	
C820	ECKW3D101KBP	C 100PF, K, 2KV	
C821	ECKW3D102KBP	C 1000PF, K, 2KV	
C825	ECQB1H221JF	P 220PF, J, 50V	
C826	ECQB1H104JF	P 0.1UF, 50V	
C827	ECA1CM100B	E 10UF, 16V	
C828	ECQB1H104JF	P 0.1UF, 50V	
C830	ECQB1H102JF	P 1000PF, 50V	
C840	ECKCNA471MB7	C 470PF, M,	⚠
C841	ECKCNA102MB7	C 1000PF, M,	⚠
C842	ECKCNA102MB7	C 1000PF, M,	⚠
C844	ECKCNA471MB7	C 470PF, M,	⚠
C850	ECKW3D152KBP	C 1500PF, K, 2KV	
C851	ECKR2H221KB5	C 220PF, K,500V	
C852	F2A1E2210045	E 220UF, 25V	
C853	ECKR2H331KB5	C 330PF, K,500V	
C855	EC0S2CA271BB	E 270UF, 160V	
C856	F2A1E2720011	E 2700UF, 25V	
C857	ECA1EHG222E	E 2200UF, 25V	
C858	ECA1EM102B	E 1000UF, 25V	
C859	ECKR2H331KB5	C 330PF, K,500V	
C862	ECA1EM102B	E 1000UF, 25V	
C870	ECJ2VF1H473Z	C 0.047UF, Z, 50V	
C871	ECJ2VF1C105Z	C 1UF, Z, 16V	
C877	ECJ2VF1C105Z	C 1UF, Z, 16V	
C878	ECA1VM101B	E 100UF, 35V	
C879	ECJ2VF1C474Z	C 0.47UF, Z, 16V	
C880	ECA1EM101B	E 100UF, 25V	
C881	ECA1HM100B	E 10UF, 50V	
C883	EEUFC1C221B	E 220UF, 16V	
C884	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2150	ECJ2VC1H470J	C 47PF, J, 50V	
C2151	ECJ2VC1H010C	C 1PF, C, 50V	
C2152	ECJ2VC1H010C	C 1PF, C, 50V	
C2801	ECA1HM010B	E 1UF, 50V	
C2802	ECJ2VF1H224Z	C 0.22UF, Z, 50V	
C2804	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2805	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2806	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2808	ECJ2VC1H102J	C 1000PF, J, 50V	
C2810	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2811	ECA1HM010B	E 1UF, 50V	
C2812	ECJ2VF1H224Z	C 0.22UF, Z, 50V	

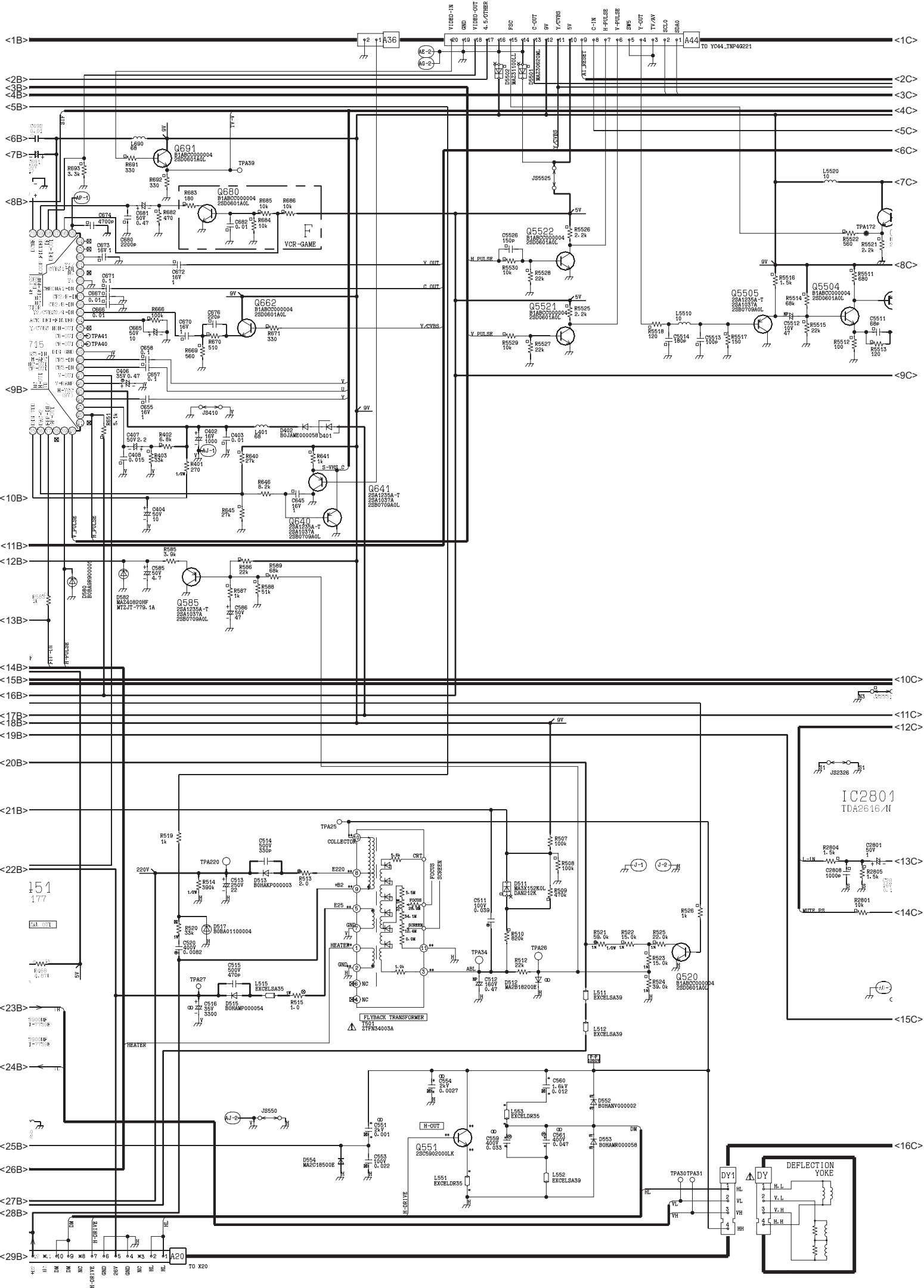
Ref. No.	Part No.	Part Name & Description	Remarks
C2813	ECJ2VC1H181J	C 180PF, J, 50V	
C2814	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C2818	ECJ2VC1H102J	C 1000PF, J, 50V	
C2830	ECA1CM101B	E 100UF, 16V	
C2850	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C2851	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3001	ECA1HM101B	E 100UF, 50V	
C3002	ECJ2VB1C104K	C 0.1UF, K, 16V	
C3003	ECA1HM101B	E 100UF, 50V	
C3004	ECJ2VB1C104K	C 0.1UF, K, 16V	
C3005	ECA1HM101B	E 100UF, 50V	
C3006	ECJ2VB1C104K	C 0.1UF, K, 16V	
C3007	ECJ2ZF1C105Z	C 1UF, Z, 16V	
C3008	ECEA1CN100U	E 10UF, 16V	
C3010	ECA1CM100B	E 10UF, 16V	
C3011	ECA1CM100B	E 10UF, 16V	
C3012	ECEA1CN100U	E 10UF, 16V	
C3013	ECJ2VC1H680J	C 68PF, J, 50V	
C3020	ECA1CM100B	E 10UF, 16V	
C3021	ECA1CM100B	E 10UF, 16V	
C3022	ECA1CM100B	E 10UF, 16V	
C3025	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3026	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3027	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3028	ECJ2VB1C104K	C 0.1UF, K, 16V	
C3030	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3031	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3032	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3033	ECJ2VB1C104K	C 0.1UF, K, 16V	
C3034	ECJ2VB1C104K	C 0.1UF, K, 16V	
C3035	ECJ2VB1H682K	C 6800PF, K, 50V	
C3036	ECJ2VB1H682K	C 6800PF, K, 50V	
C3039	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3041	ECJ2VC1H221J	C 220PF, J, 50V	
C3042	ECJ2VC1H391J	C 390PF, J, 50V	
C3053	ECA1CM100B	E 10UF, 16V	
C3055	ECA1CM470B	E 47UF, 16V	
C3056	ECJ2VB1C104K	C 0.1UF, K, 16V	
C3062	ECJ2VB1H682K	C 6800PF, K, 50V	
C3063	ECJ2VB1H682K	C 6800PF, K, 50V	
C3064	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3074	ECJ2VB1H682K	C 6800PF, K, 50V	
C3075	ECJ2VB1H682K	C 6800PF, K, 50V	
C3080	ECJ2VC1H102J	C 1000PF, J, 50V	
C3081	ECJ2VC1H102J	C 1000PF, J, 50V	
C3082	ECA1AM102B	E 1000UF, 10V	
C3083	ECA1HM010B	E 1UF, 50V	
C3084	ECA1HM010B	E 1UF, 50V	
C3103	ECJ2VB1H682K	C 6800PF, K, 50V	
C3104	ECJ2VB1H682K	C 6800PF, K, 50V	
C3105	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3106	ECA1CM101B	E 100UF, 16V	
C3107	ECQV1H105JM	P 1UF, J, 50V	
C3110	ECJ2VF1H103Z	C 0.01UF, Z, 50V	

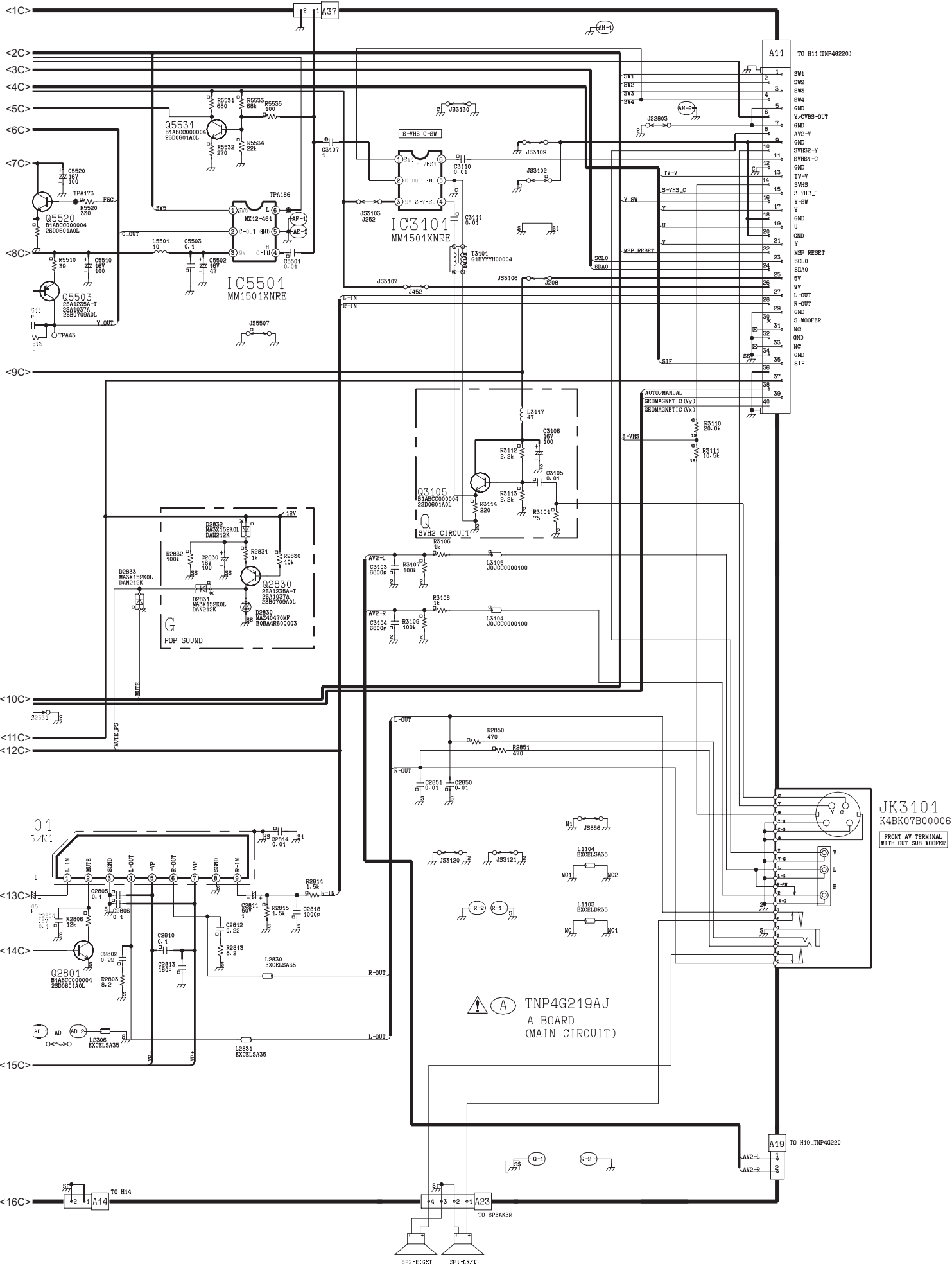
Ref. No.	Part No.	Part Name & Description	Remarks
C3111	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5596	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
	COILS		
L10	K1ZZ00001205	CONNECTOR	
L101	EXCELDR35V	CORE	
L111	TLTACTR56K	PEAKING COIL	
L140	TALV35VB8R2K	PEAKING COIL	
L180	TALV35VB6R8K	PEAKING COIL	
L188	EXCELSA35T	BEAD CORE	
L189	EXCELSA35T	BEAD CORE	
L352	EXCELSA24T	BEAD CORE	
L401	TALV35VB680K	PEAKING COIL	
L460	G0CR82KA0029	PEAKING COIL	
L511	EXCELSA39V	BEAD CORE	
L512	EXCELSA39V	BEAD CORE	
L515	EXCELSA35T	BEAD CORE	
L551	EXCELDR35C	BEAD CORE	
L552	EXCELSA39V	BEAD CORE	
L553	EXCELDR35C	BEAD CORE	
L630	TALV35VB680K	PEAKING COIL	
L690	TALV35VB680K	PEAKING COIL	
L691	TALV35VB680K	PEAKING COIL	
L701	G0A682AA0006	PEAKING COIL	
L702	ELC16B391E	CHOKE COIL	
L704	G0A332BA0007	CHOKE COIL	
L705	ELH5L7121	LINEARITY COIL	
L760	ELC16B102E	CHOKE COIL	
L761	G0A332C00003	CHOKE COIL	
L801	TLP4GD016P	LINE FILTER	⚠
L802	TLP4GD016P	LINE FILTER	⚠
L815	EXCELSA39E	BEAD CHOKE	
L820	EXCELSA39E	BEAD CHOKE	
L821	EXCELSA35T	BEAD CORE	
L822	EXCELDR35V	CORE	
L850	TALL08T470KA	INDUCTION COIL	
L855	EXCELSA35T	BEAD CORE	
L864	TALL08T470KA	INDUCTION COIL	
L871	EXCELDR35V	CORE	
L880	G0A6R8HA0011	CHOKE COIL	
L881	G0A6R8HA0011	CHOKE COIL	
L882	EXCELSA39V	BEAD CORE	
L889	EXCELSA35T	BEAD CORE	
L951	EXCELSA24T	BEAD CORE	
L953	EXCELSA24T	BEAD CORE	
L954	EXCELSA24T	BEAD CORE	
L955	EXCELSA24T	BEAD CORE	
L1102	EXCELSA35T	BEAD CORE	
L1103	EXCELDR35V	CORE	
L1104	EXCELSA35T	BEAD CORE	
L1156	EXCELSA35T	BEAD CORE	
L1160	EXCELSA35T	BEAD CORE	
L2101	EXCELSA35T	BEAD CORE	
L2140	EXCELSA35T	BEAD CORE	

Ref. No.	Part No.	Part Name & Description	Remarks
L2141	EXCELSA35T	BEAD CORE	
L2142	TALV35VB180K	PEAKING COIL	
L2306	EXCELSA35T	BEAD CORE	
L2830	EXCELSA35T	BEAD CORE	
L2831	EXCELSA35T	BEAD CORE	
L3001	G0C151JA0021	PEAKING COIL	
L3002	G0C151JA0021	PEAKING COIL	
L3003	EXCELSA35T	BEAD CORE	
L3050	TALV35VB100J	PEAKING COIL	
L3091	TALV35VB100J	PEAKING COIL	
L3104	TSK1032	BEAD CORE	
L3105	TSK1032	BEAD CORE	
L3117	ELEXT470KA	PEAKING COIL	
L4802	EXCELDR35V	CORE	
L4803	TLTACT100J	PEAKING COIL	
D732	MA152KTX	DIODE	
D733	MA152KTX	DIODE	
D734	MA152KTX	DIODE	
D750	MA165	DIODE	
D751	MA4104J	DIODE	
D752	MA165	DIODE	
D765	MA165	DIODE	
D766	MTZJ10C	ZENER DIODE	
D767	MA29W-A	DIODE	
D768	MA29W-A	DIODE	
D770	MTZJ6.2C	ZENER DIODE	
D801	ERZV10D621CS	VARISTOR	⚠
D803	D4SB80	DIODE	
D804	TAP4GA0009	POSISTOR	⚠
D805	TAP4GA0009	POSISTOR	⚠
D810	B0EAKT000019	DIODE	
D813	AM01A	DIODE	
D814	AM01A	DIODE	
D817	AG01Z	DIODE	
D818	MAZ2360	DIODE	
D819	MTZJ24A	ZENER DIODE	
D820	MAZ20820A0LS	DIODE	
D821	MAZ20820A0LS	DIODE	
D822	MAZ20820A0LS	DIODE	
D823	AG01Z	DIODE	
D824	AG01Z	DIODE	
D830	AG01Z	DIODE	
D831	B0BA02400029	ZENER DIODE	
D840	MA152KTX	DIODE	
D850	FMGG2CSLF665	DIODE	
D851	FMLG12S	DIODE	
D852	AG01Z	DIODE	
D853	RU4AMLF-M1	DIODE	
D854	RU4AMLF-M1	DIODE	
D860	TLP721FD4GR	PHOTO COUPLER	⚠
D861	MTZJ20D	ZENER DIODE	
D862	MTZJ4.7B	ZENER DIODE	
D865	AG01Z	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D870	MTZJ3.6A	ZENER DIODE	
D880	MA3043MTX	DIODE	
D980	MTZJ6.8B	ZENER DIODE	
D1051	LNH201RGRF5	LED	
D1105	MAZ40330L	DIODE	
D1130	MTZJ5.6C	ZENER DIODE	
D1131	MTZJ5.6C	ZENER DIODE	
D1140	MA152KTX	DIODE	
D1144	MAZ30360LL	ZENER DIODE	
D1150	MA152KTX	DIODE	
D1151	MA152KTX	DIODE	
D1152	MA152KTX	DIODE	
D1155	MA152KTX	DIODE	
D1156	MA3043MTX	DIODE	
D1157	MA3043MTX	DIODE	
D1162	MA152KTX	DIODE	
D1170	MA152KTX	DIODE	
D2830	MA4047M	DIODE	
D2831	MA152KTX	DIODE	
D2832	MA152KTX	DIODE	
D2833	MA152KTX	DIODE	
D4801	MA3056MTX	DIODE	
D5501	MA3062MTX	ZENER DIODE	
D5502	MA3110LTX	ZENER DIODE	
	INTEGRATED CIRCUITS		
IC351	TDA6103Q-N3	LINEAR IC	
IC451	TDA8177	IC	
IC601	C1AB00001715	IC	
IC602	AN78L05	LINEAR IC	
Q2830	2SB709ATX	TRANSISTOR	
Q3001	2SD0601A0L	TRANSISTOR	
Q3010	2SD0601A0L	TRANSISTOR	
Q3011	2SB709ATX	TRANSISTOR	
Q3040	2SB709ATX	TRANSISTOR	
Q3041	2SB709ATX	TRANSISTOR	
Q3042	2SB709ATX	TRANSISTOR	
Q3105	2SD0601A0L	TRANSISTOR	
Q4801	2SD0601A0L	TRANSISTOR	
Q4802	B1ABCF000078	TRANSISTOR	
Q5501	2SD0601A0L	TRANSISTOR	
Q5502	2SD0601A0L	TRANSISTOR	
Q5503	2SB709ATX	TRANSISTOR	
Q5504	2SD0601A0L	TRANSISTOR	
Q5505	2SB709ATX	TRANSISTOR	
Q5520	2SD0601A0L	TRANSISTOR	
Q5521	2SD0601A0L	TRANSISTOR	
Q5522	2SD0601A0L	TRANSISTOR	
Q5531	2SD0601A0L	TRANSISTOR	
Q5540	2SD0601A0L	TRANSISTOR	
Q5541	2SD0601A0L	TRANSISTOR	
Q5570	2SB709ATX	TRANSISTOR	
Q5580	2SD0601A0L	TRANSISTOR	
Q5581	2SD0601A0L	TRANSISTOR	
Q5582	2SD0601A0L	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q5583	2SD0601A0L	TRANSISTOR	
Q5584	2SD0601A0L	TRANSISTOR	
Q5585	2SB709ATX	TRANSISTOR	
	OTHERS		
A11	K1YB40000003	CONNECTOR	
A14	TJS118590	2P CONNECTOR	
A19	TJS118590	2P CONNECTOR	
A20	TJS4G8020	16P CONNECTOR	
A22	TJS4G8020	16P CONNECTOR	
A23	TJS3A9650	4P CONNECTOR	
A36	TJS118590	2P CONNECTOR	
A37	TJS118590	2P CONNECTOR	
A41	TJS3A9680	7P CONNECTOR	
A44	TJS4G8090	20P CONNECTOR	
A50	TJSF29207	CONNECTOR	
F801	XBA2C40TR0	FUSE 250V 4A	
GM1	TJS3A9890	9P CONNECTOR	
H1	TJS3A9890	9P CONNECTOR	
H11	K1YB40000002	CONNECTOR	
H14	K1KA02B00044	2P CONNECTOR	
H19	TJS118590	2P CONNECTOR	
JA1	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA2	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA3	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA4	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA5	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA6	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA7	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA8	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA9	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA10	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA11	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA12	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA13	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA14	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA15	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA16	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA17	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA18	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA19	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA20	ERJ6GEY0R00	M 0OHM,J,1/10W	
JA21	ERJ6GEY0R00	M 0OHM,J,1/10W	
X601	H0D443400038	CRYSTAL OSC	
X1160	EF0EC1205B4	CERAMIC RESONATOR	
X2150	TSSA128	CRYSTAL OSC	
YC44	TJS4G8080	20P CONNECTOR	


A36
A44
TO YC44_TNP4G221
Q691
Q680
VCR-GAME
Q662
Q522
Q521
Q505
Q504
Q641
Q640
Q585
Q551
Q520
IC2801
TDA2616/N
FLYBACK TRANSFORMER
T501
2TFN34003A
DEFLECTION YOKE
DY1
DY
A20
TO X20


A37
A11
TO H11(TNP4G220)
SW1
SW2
SW3
SW4
GND
Y/CVBS-OUT
GND
AV2-V
GND
SVHS2-Y
SVHS1-C
GND
TV-V
SVHS
S-VHS_C
Y-SW
Y
GND
U
GND
V
MSP RESET
SCL0
SDA0
5V
9V
L-OUT
R-OUT
GND
S-WOOFER
NC
GND
NC
GND
SIF
Q5531
B1ABCC000004
2SD0601AGL
Q5520
B1ABCC000004
2SD0601AOL
Q5503
2SA1235A-T
2SA1037A
2SB0709AOL
IC5501
MM1501XNRE
IC3101
MM1501XNRE
MX12-461
T3101
G1BYYYH00004
S-VHS C-SW
JS3130
JS3109
JS3102
JS3103
J252
JS3107
J452
JS3106
J208
JS2803
JS5507
TPA43
TPA173
TPA186
FSC
C_OUT
SW5
AF-1
AF-2
AH-1
AH-2
AUTO/MANUAL
GEOMAGNETIC(Vy)
GEOMAGNETIC(Vx)
S-VHS
Q3105
B1ABCC000004
2SD0601AOL
Q
SVH2 CIRCUIT
G
POP SOUND
D2832
MA3X152K0L
DAN212K
D2833
MA3X152K0L
DAN212K
D2831
MA3X152K0L
DAN212K
Q2830
2SA1235A-T
2SA1037A
2SB0709AOL
D2830
MAZ40470MF
B0BA4R600003
12V
MUTE
MUTE_JS
AV2-L
AV2-R
L-IN
R-IN
L-OUT
R-OUT
Q2801
B1ABCC000004
2SD0601AOL
L2830
EXCELSA35
L2831
EXCELSA35
L2306
EXCELSA35
L1104
EXCELSA35
L1103
EXCELDR35
JK3101
K4BK07B00006
FRONT AV TERMINAL
WITH OUT SUB WOOPER
TNP4G219AJ
A BOARD
(MAIN CIRCUIT)
A19
TO H19_TNP4G220
A14
TO H14
A23
TO SPEAKER
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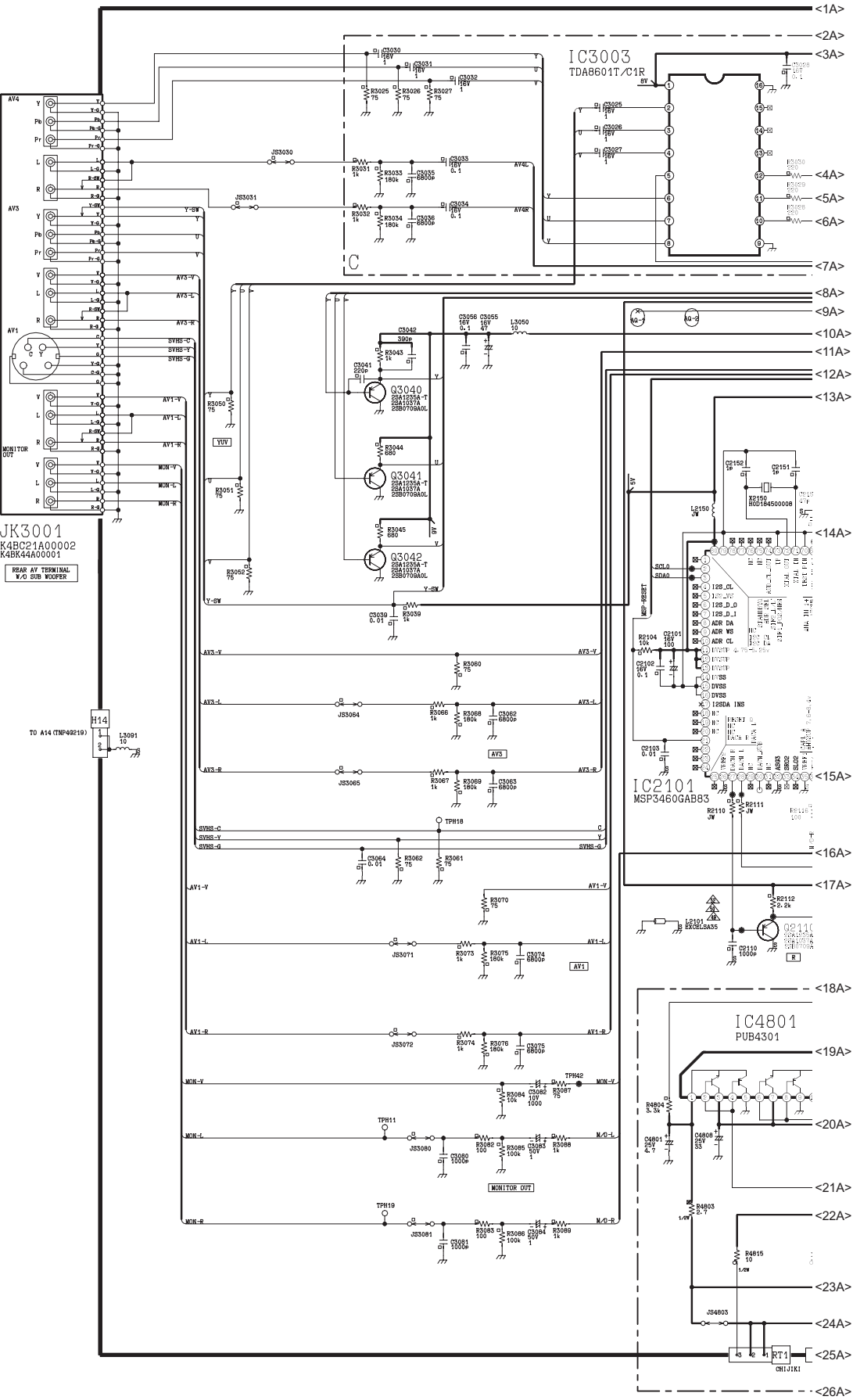
IC3003
TDA8601T/C1R
JK3001
K4BC21A00002
K4BK44A00001
REAR AV TERMINAL
W/O SUB WOOFER
IC2101
MSP3460GAB83
IC4801
PUB4301
Q3040
2SA1235A-T
2SA1037A
2SB0709A0L
Q3041
2SA1235A-T
2SA1037A
2SB0709A0L
Q3042
2SA1235A-T
2SA1037A
2SB0709AL
JS3030
JS3031
JS3064
JS3065
JS3071
JS3072
JS3080
JS3081
JS4803
H14
TO A14 (TNP40219)
L3091
10
AV4
AV3
AV1
MONITOR OUT
YUV
AV3
AV1
MONITOR OUT
MSP-RESET
SCL0
SDA0
I2SDA INS
CHIJIKI
RT1
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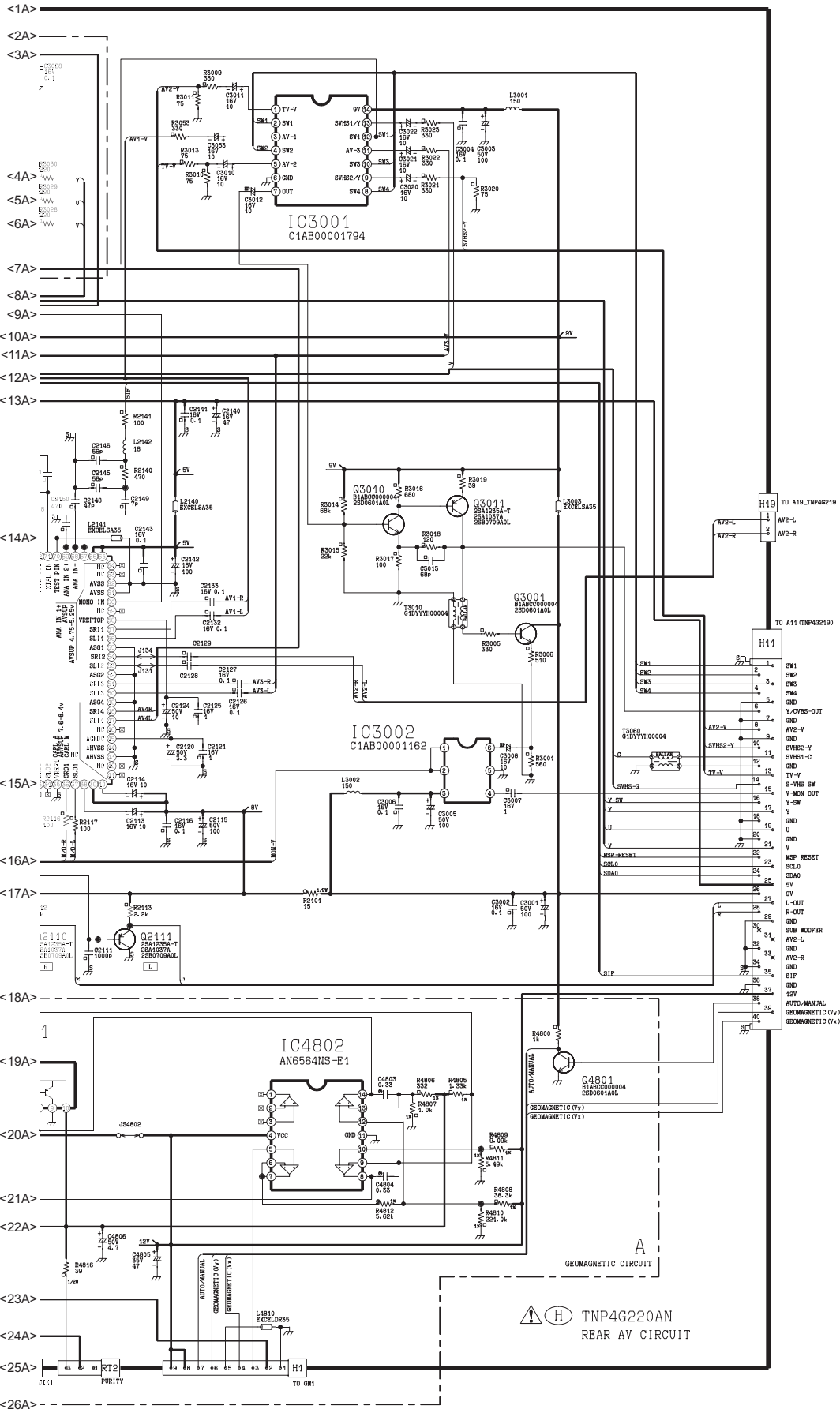
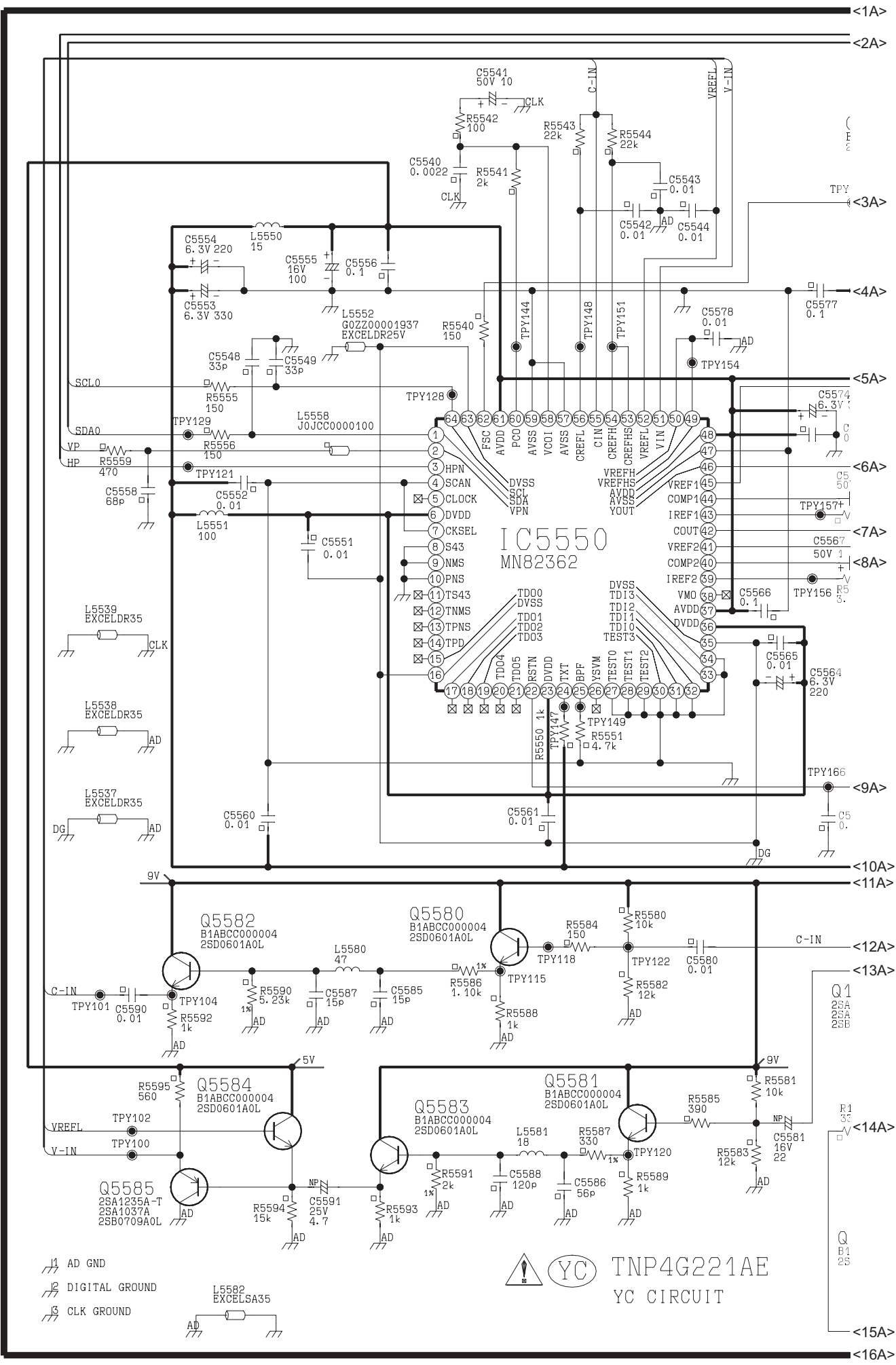

IC3001
C1AB00001794
IC3002
C1AB00001162
IC4802
AN6564NS-E1
Q3010
Q3011
Q3001
Q2111
Q4801
TNP4G220AN
REAR AV CIRCUIT
GEOMAGNETIC CIRCUIT
TO A19_TNP4G219
TO A11 (TNP4G219)
TO GM1
PURITY


IC5550
MN82362
TNP4G221AE
YC CIRCUIT
C5541 50V 10
R5542 100
C5540 0.0022
R5541 2k
R5543 22k
R5544 22k
C5543 0.01
C5542 0.01
C5544 0.01
C5554 6.3V 220
C5553 6.3V 330
L5550 15
C5555 16V 100
C5556 0.1
L5552 G0ZZ00001937 EXCELDR25V
R5540 150
C5548 33p
C5549 33p
C5578 0.01
C5577 0.1
R5555 150
L5558 J0JCC0000100
R5556 150
R5559 470
C5558 68p
C5552 0.01
L5551 100
C5551 0.01
C5574 6.3V
C5567 50V 1
C5566 0.1
C5565 0.01
C5564 6.3V 220
L5539 EXCELDR35
L5538 EXCELDR35
L5537 EXCELDR35
R5550 1k
R5551 4.7k
C5560 0.01
C5561 0.01
9V
5V
Q5582 B1ABCC000004 2SD0601A0L
Q5580 B1ABCC000004 2SD0601A0L
Q5584 B1ABCC000004 2SD0601A0L
Q5583 B1ABCC000004 2SD0601A0L
Q5581 B1ABCC000004 2SD0601A0L
Q5585 2SA1235A-T 2SA1037A 2SB0709A0L
R5580 10k
R5584 150
R5582 12k
R5590 5.23k
C5587 15p
C5585 15p
R5586 1.10k
R5588 1k
C5580 0.01
L5580 47
R5592 1k
C5590 0.01
R5595 560
R5591 2k
C5588 120p
C5586 56p
L5581 18
R5587 330
R5589 1k
R5585 390
R5581 10k
C5581 16V 22
R5583 12k
R5594 15k
C5591 25V 4.7
R5593 1k
L5582 EXCELSA35
C-IN
VREFL
V-IN
CLK
AD
DG
SCL0
SDA0
VP
HP
TPY101
TPY102
TPY100
TPY104
TPY115
TPY118
TPY120
TPY122
TPY128
TPY129
TPY121
TPY144
TPY148
TPY151
TPY154
TPY147
TPY149
TPY156
TPY157
TPY166
Q1 2SA 2SA 2SB
Q B1 2S
1 AD GND
2 DIGITAL GROUND
3 CLK GROUND
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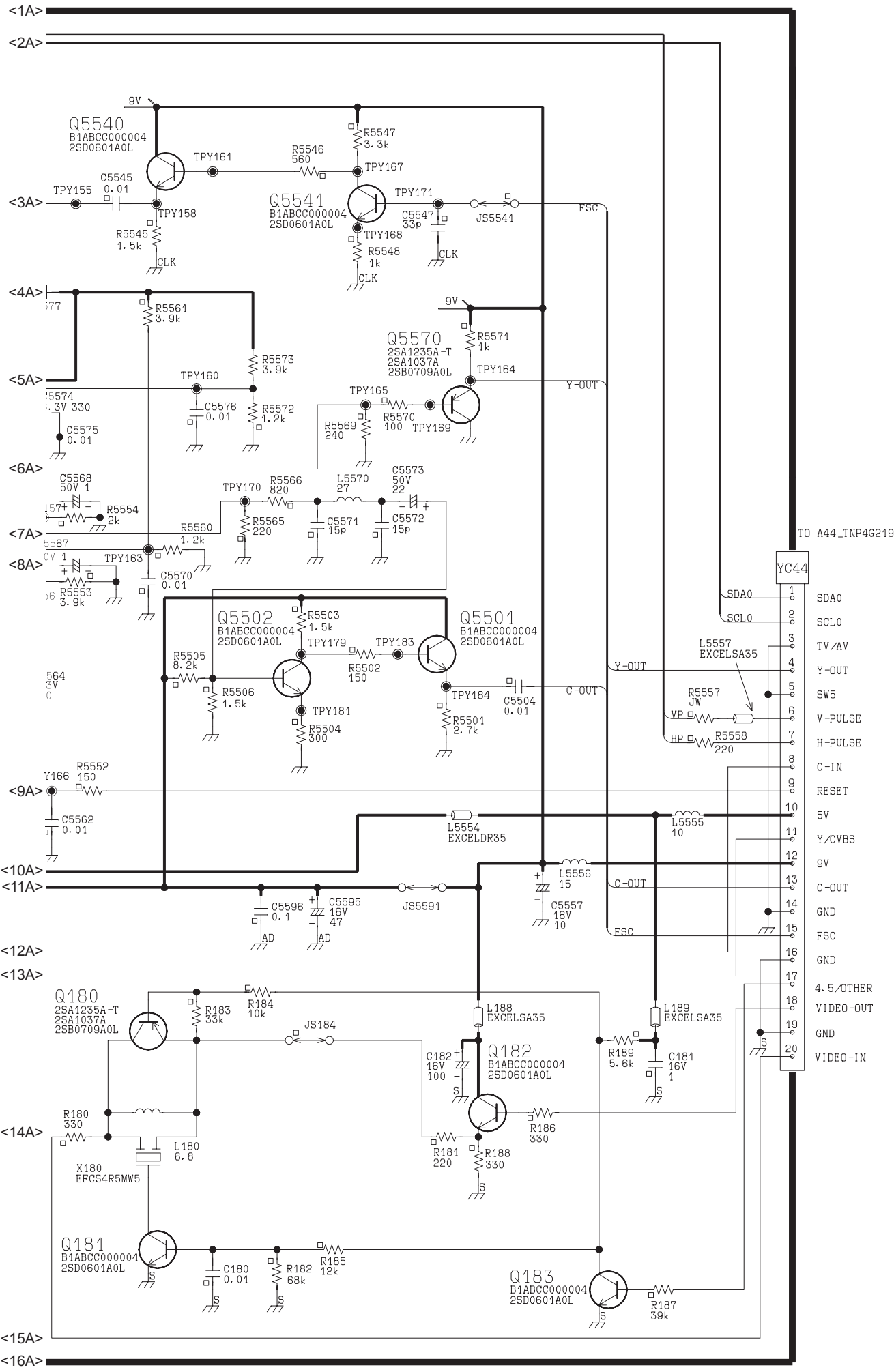
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B1ABCC000004
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Q5541
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Q5570
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2SB0709A0L
Q5502
B1ABCC000004
2SD0601A0L
Q5501
B1ABCC000004
2SD0601A0L
Q180
2SA1235A-T
2SA1037A
2SB0709A0L
Q182
B1ABCC000004
2SD0601A0L
Q181
B1ABCC000004
2SD0601A0L
Q183
B1ABCC000004
2SD0601A0L
9V
TPY161
TPY167
TPY155
TPY158
TPY171
TPY168
TPY164
TPY165
TPY169
TPY160
TPY170
TPY163
TPY179
TPY183
TPY181
TPY184
R5547 3.3k
R5546 560
C5545 0.01
R5545 1.5k
CLK
C5547 33p
JS5541
FSC
R5548 1k
R5561 3.9k
R5573 3.9k
R5571 1k
Y-OUT
C5574 3.3V 330
C5575 0.01
C5576 0.01
R5572 1.2k
R5570 100
R5569 240
C5568 50V 1
R5554 2k
R5566 820
L5570 27
C5573 50V 22
R5565 220
C5571 15p
C5572 15p
R5560 1.2k
C5567 0V 1
R5553 3.9k
C5570 0.01
R5503 1.5k
R5505 8.2k
R5506 1.5k
R5502 150
R5504 300
R5501 2.7k
C5504 0.01
C-OUT
R5552 150
C5562 0.01
L5554 EXCELDR35
L5555 10
L5556 15
C5557 16V 10
C5596 0.1
C5595 16V 47
JS5591
AD
R183 33k
R184 10k
JS184
L188 EXCELSA35
L189 EXCELSA35
C182 16V 100
R189 5.6k
C181 16V 1
R186 330
R181 220
R188 330
R180 330
L180 6.8
X180 EFCS4R5MW5
C180 0.01
R182 68k
R185 12k
R187 39k
S
YC44
TO A44_TNP4G219
SDA0
SCL0
L5557 EXCELSA35
R5557 JW
VP
HP
R5558 220
1 SDA0
2 SCL0
3 TV/AV
4 Y-OUT
5 SW5
6 V-PULSE
7 H-PULSE
8 C-IN
9 RESET
10 5V
11 Y/CVBS
12 9V
13 C-OUT
14 GND
15 FSC
16 GND
17 4.5/OTHER
18 VIDEO-OUT
19 GND
20 VIDEO-IN
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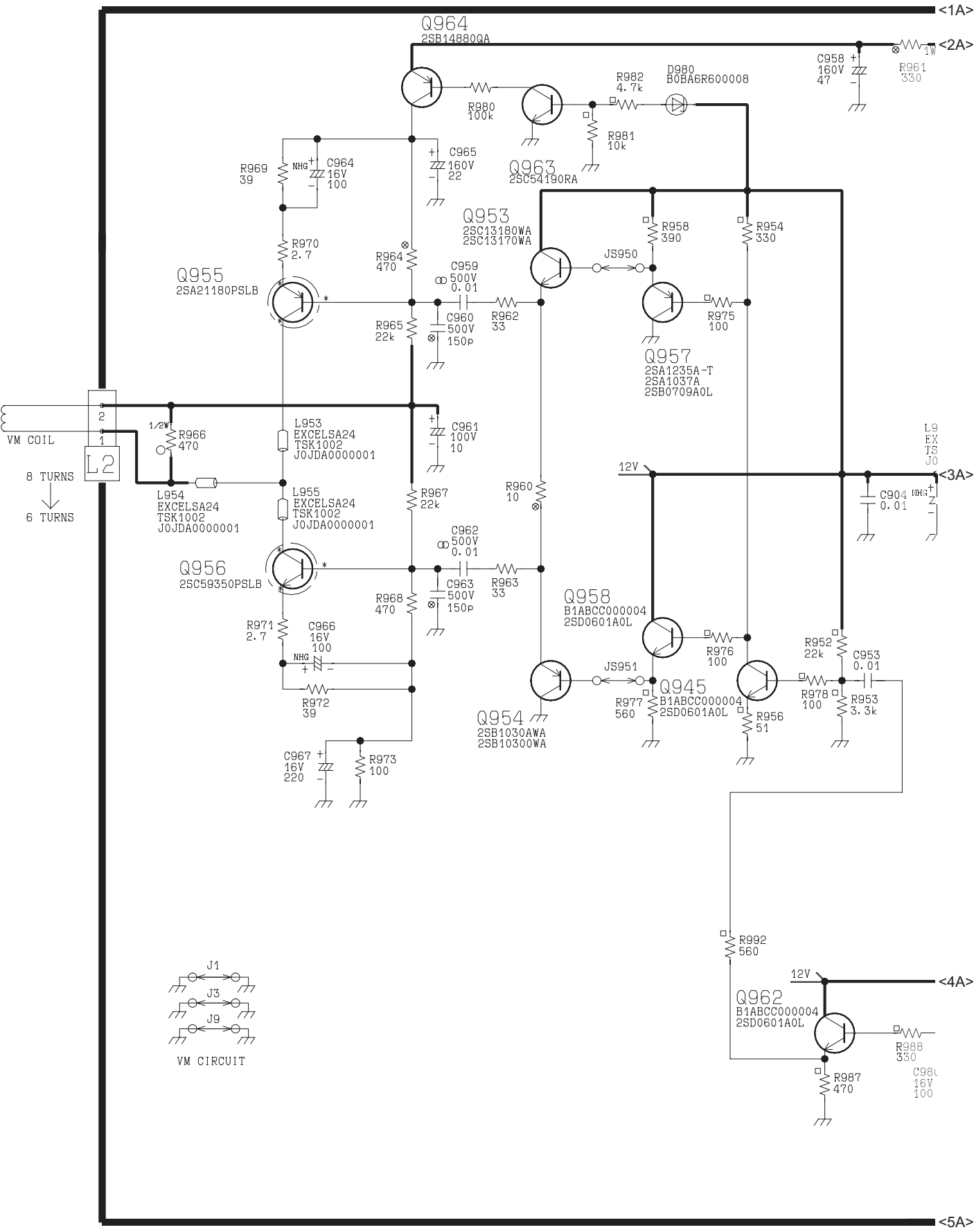
Q964
2SB1488OQA
R980
100k
R982
4.7k
D980
B0BA6R600008
R981
10k
Q963
2SC54190RA
C958
160V
47
R961
330
1W
R969
39
NHG
C964
16V
100
C965
160V
22
Q953
2SC13180WA
2SC13170WA
R958
390
R954
330
JS950
R970
2.7
R964
470
Q955
2SA21180PSLB
C959
500V
0.01
C960
500V
150p
R962
33
R965
22k
R975
100
Q957
2SA1235A-T
2SA1037A
2SB0709A0L
VM COIL
2
1
L2
8 TURNS
6 TURNS
1/2W
R966
470
L953
EXCELSA24
TSK1002
J0JDA0000001
C961
100V
10
L954
EXCELSA24
TSK1002
J0JDA0000001
L955
EXCELSA24
TSK1002
J0JDA0000001
R967
22k
R960
10
12V
C904
0.01
NHG
C962
500V
0.01
Q956
2SC59350PSLB
C963
500V
150p
R963
33
R968
470
Q958
B1ABCC000004
2SD0601A0L
R971
2.7
C966
16V
100
NHG
R976
100
R952
22k
C953
0.01
JS951
Q945
B1ABCC000004
2SD0601A0L
R977
560
R978
100
R953
3.3k
R956
51
R972
39
Q954
2SB1030AWA
2SB10300WA
C967
16V
220
R973
100
R992
560
12V
Q962
B1ABCC000004
2SD0601A0L
R988
330
R987
470
J1
J3
J9
VM CIRCUIT
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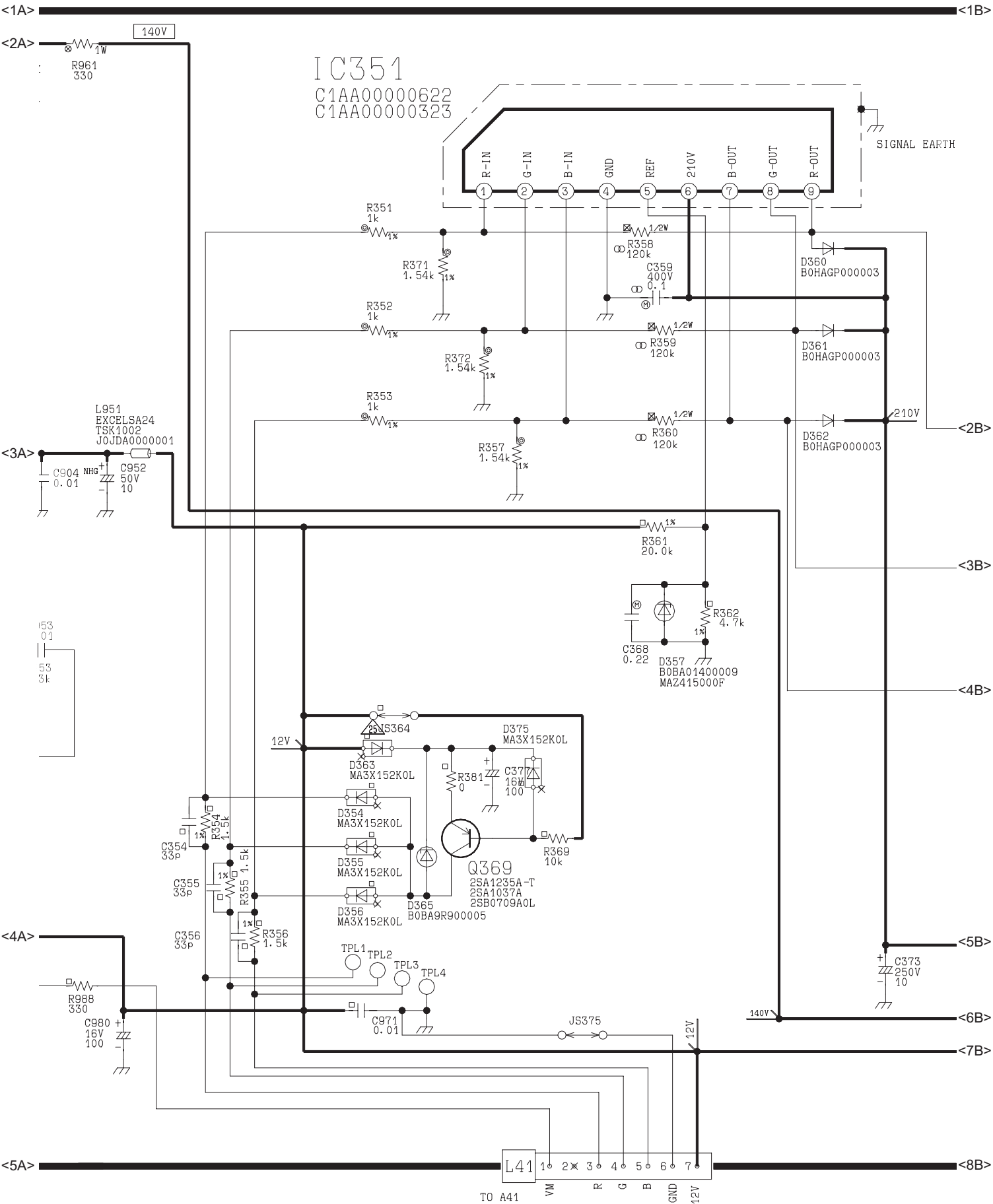
IC351
C1AA00000622
C1AA00000323
R-IN
G-IN
B-IN
GND
REF
210V
B-OUT
G-OUT
R-OUT
SIGNAL EARTH
140V
R961
330
1W
R351
1k
R352
1k
R353
1k
R371
1.54k
R372
1.54k
R357
1.54k
R358
120k
R359
120k
R360
120k
C359
400V
0.1
D360
B0HAGP000003
D361
B0HAGP000003
D362
B0HAGP000003
L951
EXCELSA24
TSK1002
J0JDA0000001
C904
0.01
C952
50V
10
R361
20.0k
R362
4.7k
C368
0.22
D357
B0BA01400009
MAZ4150000F
D375
MA3X152K0L
D363
MA3X152K0L
R381
0
C37
16V
100
D354
MA3X152K0L
D355
MA3X152K0L
D356
MA3X152K0L
D365
B0BA9R900005
Q369
2SA1235A-T
2SA1037A
2SB0709A0L
R369
10k
C354
33p
C355
33p
C356
33p
R354
1.5k
R355
1.5k
R356
1.5k
TPL1
TPL2
TPL3
TPL4
R988
330
C980
16V
100
C971
0.01
JS375
C373
250V
10
L41
VM
R
G
B
GND
12V
TO A41
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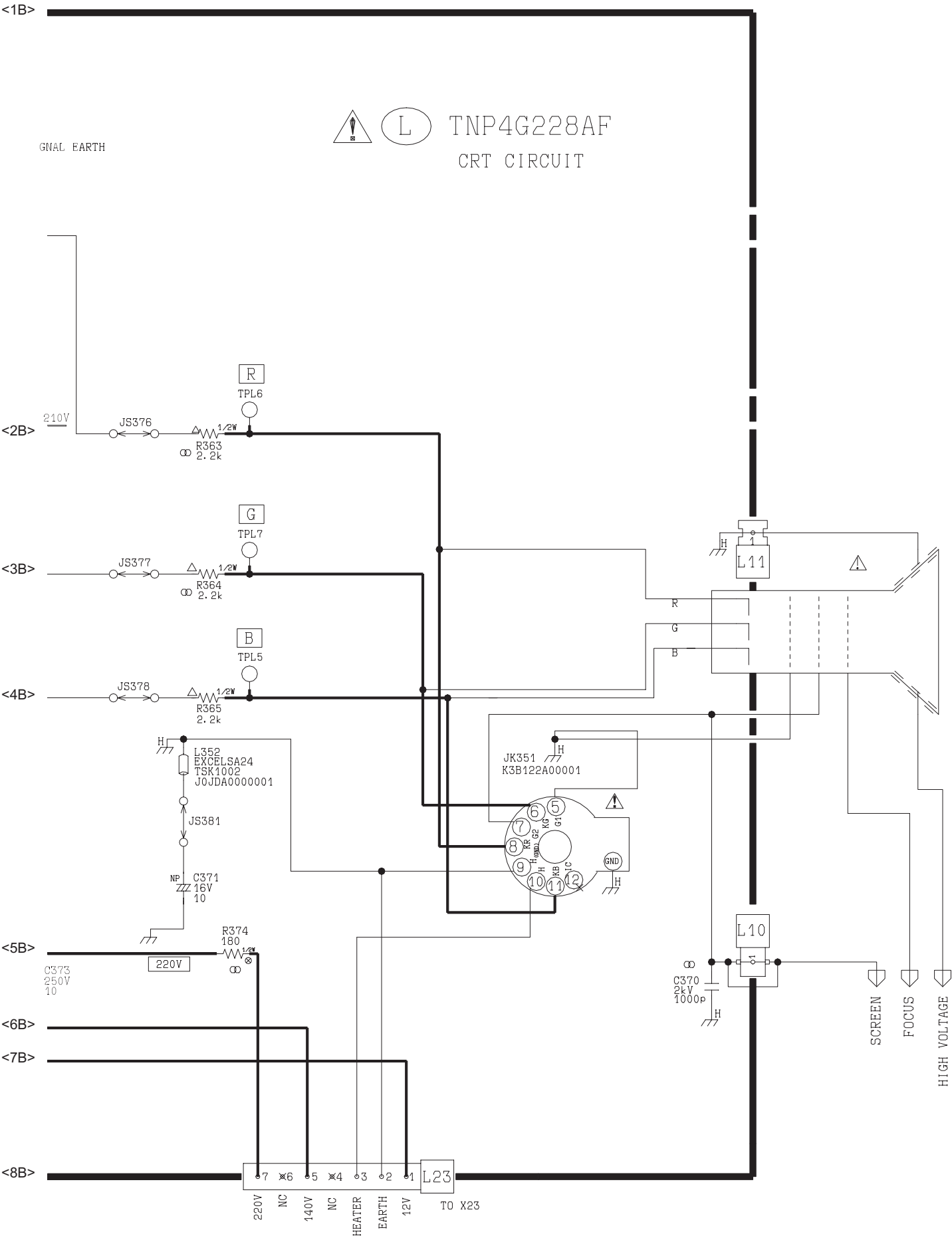
TNP4G228AF
CRT CIRCUIT
GNAL EARTH
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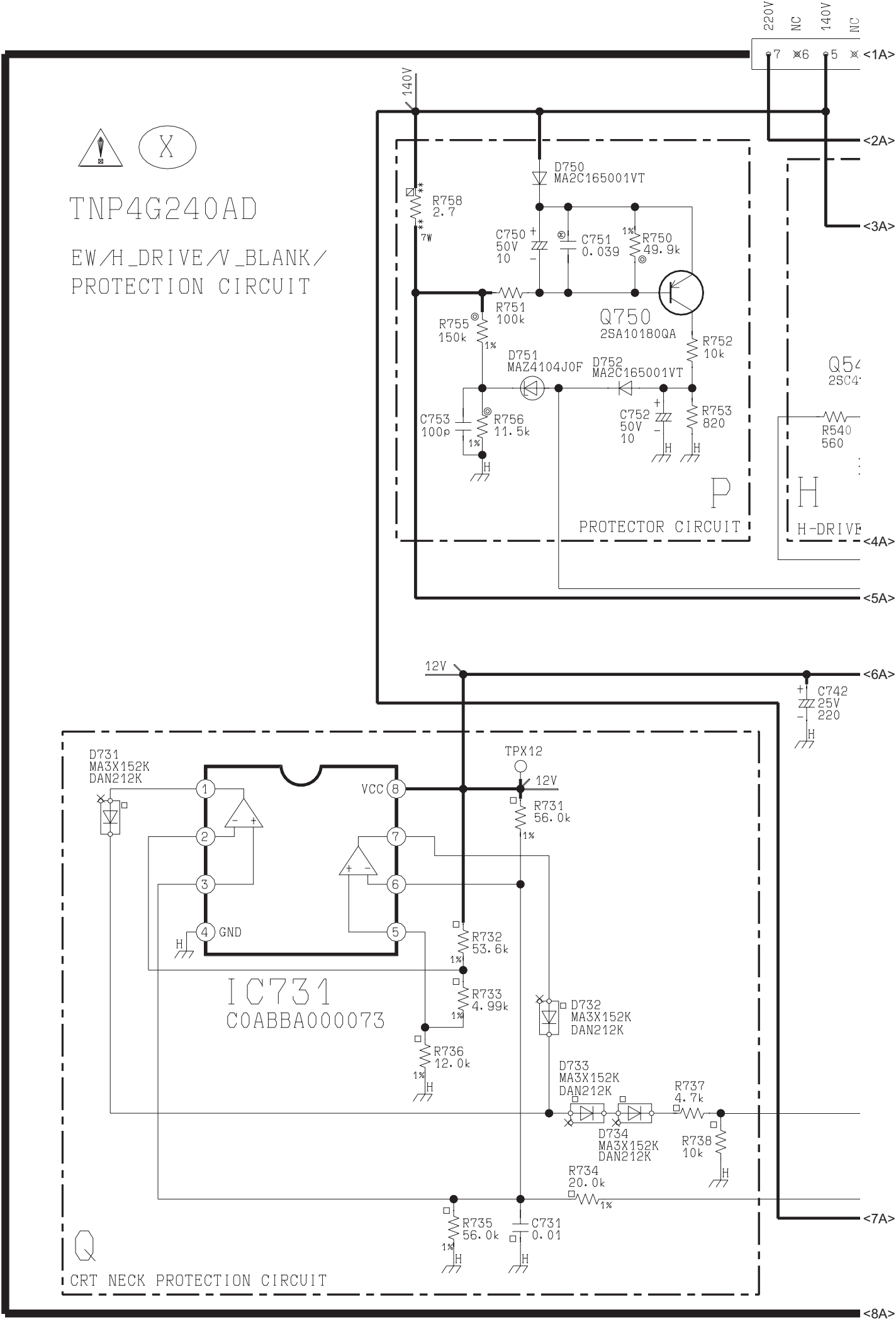
R
TPL6
210V
JS376
R363
2.2k
1/2W
G
TPL7
JS377
R364
2.2k
B
TPL5
JS378
R365
2.2k
L352
EXCELSA24
TSK1002
J0JDA0000001
JS381
C371
16V
10
R374
180
220V
C373
250V
10
JK351
K3B122A00001
GND
L11
L10
C370
2kV
1000p
SCREEN
FOCUS
HIGH VOLTAGE
L23
220V
NC
140V
NC
HEATER
EARTH
12V
TO X23


TNP4G240AD
EW/H_DRIVE/V_BLANK/
PROTECTION CIRCUIT
220V
NC
140V
NC
7
6
5
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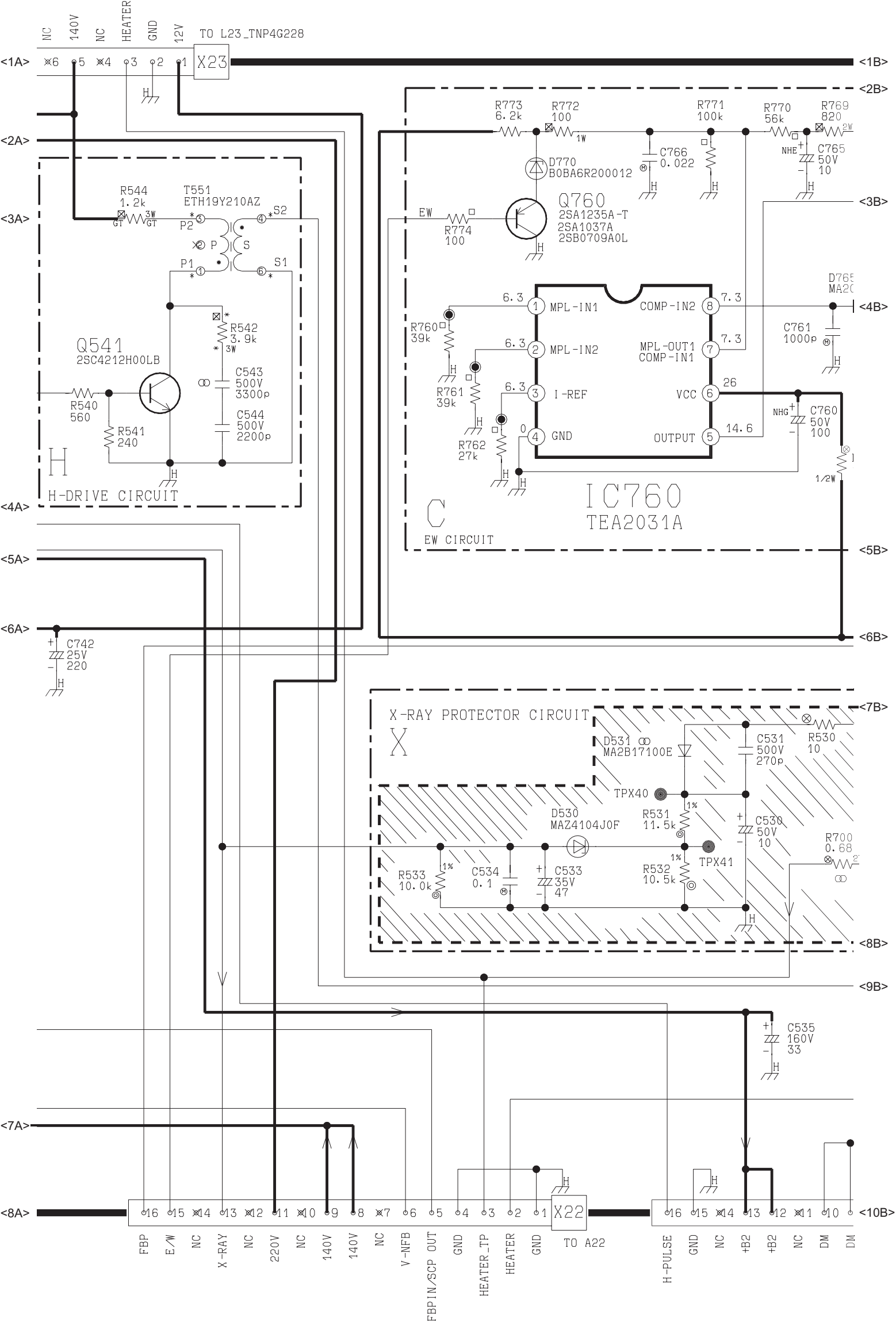
140V
D750
MA2C165001VT
R758
2.7
7W
C750
50V
10
C751
0.039
R750
49.9k
1%
R751
100k
R755
150k
1%
Q750
2SA10180QA
R752
10k
D751
MAZ4104J0F
D752
MA2C165001VT
C753
100p
R756
11.5k
1%
C752
50V
10
R753
820
H
P
PROTECTOR CIRCUIT
R540
560
H-DRIVE
12V
C742
25V
220
TPX12
12V
D731
MA3X152K
DAN212K
VCC
8
7
6
5
4
GND
R731
56.0k
1%
R732
53.6k
1%
R733
4.99k
1%
IC731
C0ABBA000073
R736
12.0k
1%
D732
MA3X152K
DAN212K
D733
MA3X152K
DAN212K
R737
4.7k
D734
MA3X152K
DAN212K
R738
10k
R734
20.0k
1%
R735
56.0k
1%
C731
0.01
Q
CRT NECK PROTECTION CIRCUIT


NC
140V
NC
HEATER
GND
12V
TO L23_TNP4G228
X23
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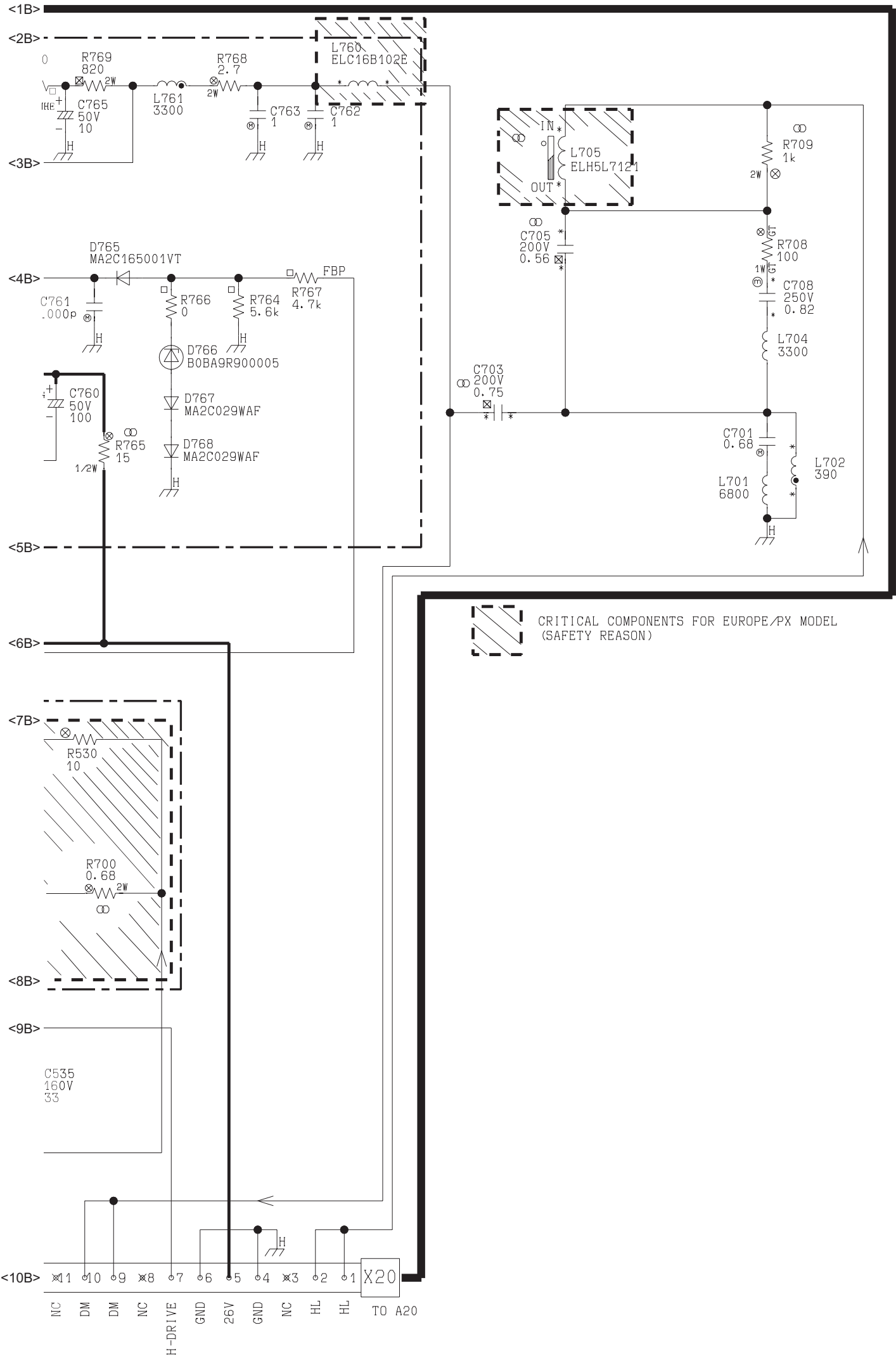
R544
1.2k
T551
ETH19Y210AZ
S2
P2
P
S
P1
S1
R542
3.9k
Q541
2SC4212H00LB
C543
500V
3300p
R540
560
C544
500V
2200p
R541
240
H-DRIVE CIRCUIT
R773
6.2k
R772
100
R771
100k
R770
56k
R769
820
C766
0.022
C765
50V
10
D770
B0BA6R200012
Q760
2SA1235A-T
2SA1037A
2SB0709A0L
EW
R774
100
6.3
MPL-IN1
COMP-IN2
7.3
R760
39k
6.3
MPL-IN2
MPL-OUT1
COMP-IN1
7.3
C761
1000p
R761
39k
6.3
I-REF
VCC
26
0
GND
OUTPUT
14.6
R762
27k
C760
50V
100
1/2W
IC760
TEA2031A
EW CIRCUIT
C742
25V
220
X-RAY PROTECTOR CIRCUIT
D531
MA2B17100E
C531
500V
270p
R530
10
TPX40
D530
MAZ4104J0F
R531
11.5k
C530
50V
10
R700
0.68
R533
10.0k
C534
0.1
C533
35V
47
R532
10.5k
TPX41
C535
160V
33
FBP
E/W
NC
X-RAY
NC
220V
NC
140V
140V
NC
V-NFB
FBPIN/SCP OUT
GND
HEATER_TP
HEATER
GND
X22
TO A22
H-PULSE
GND
NC
+B2
+B2
NC
DM
DM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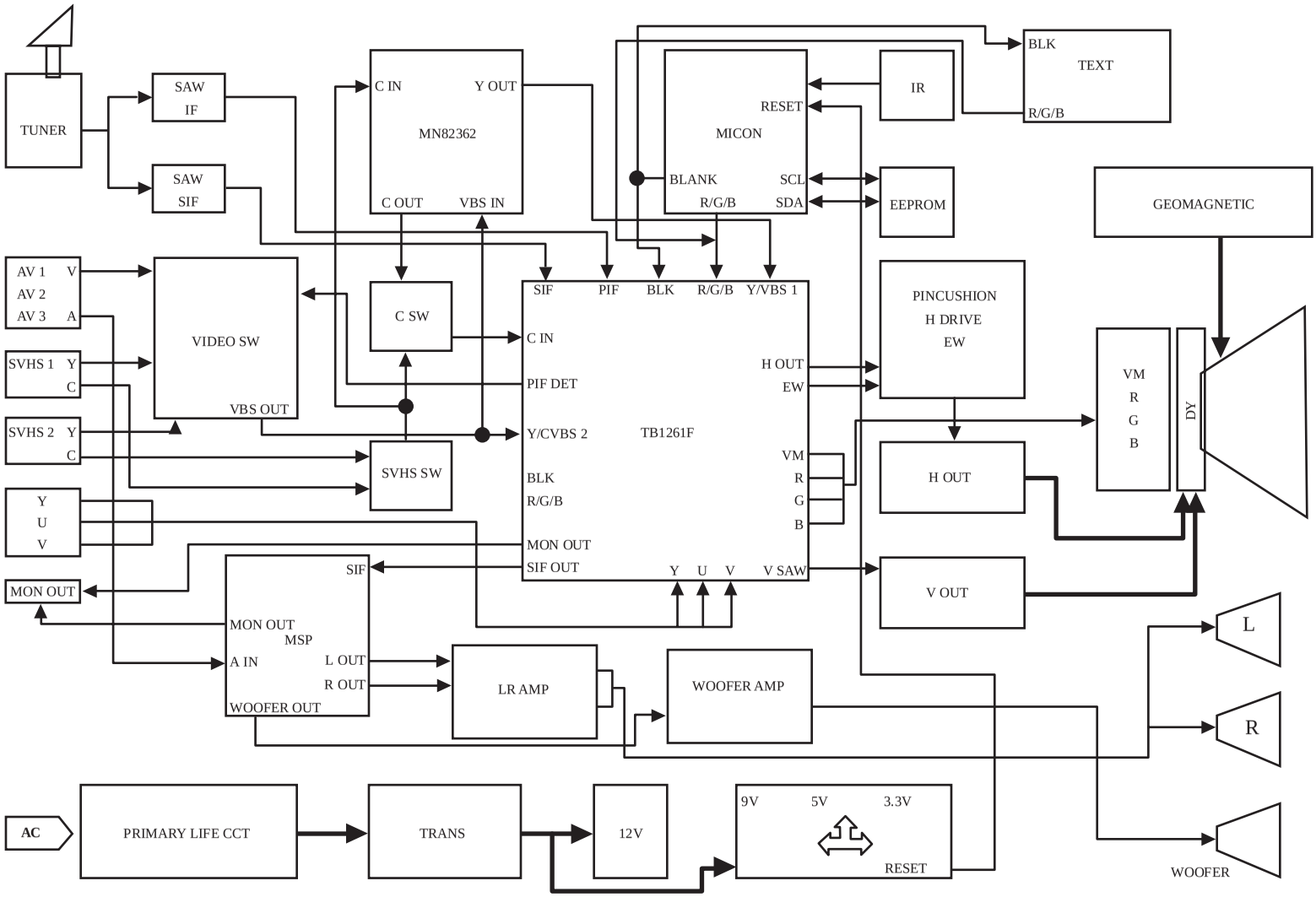
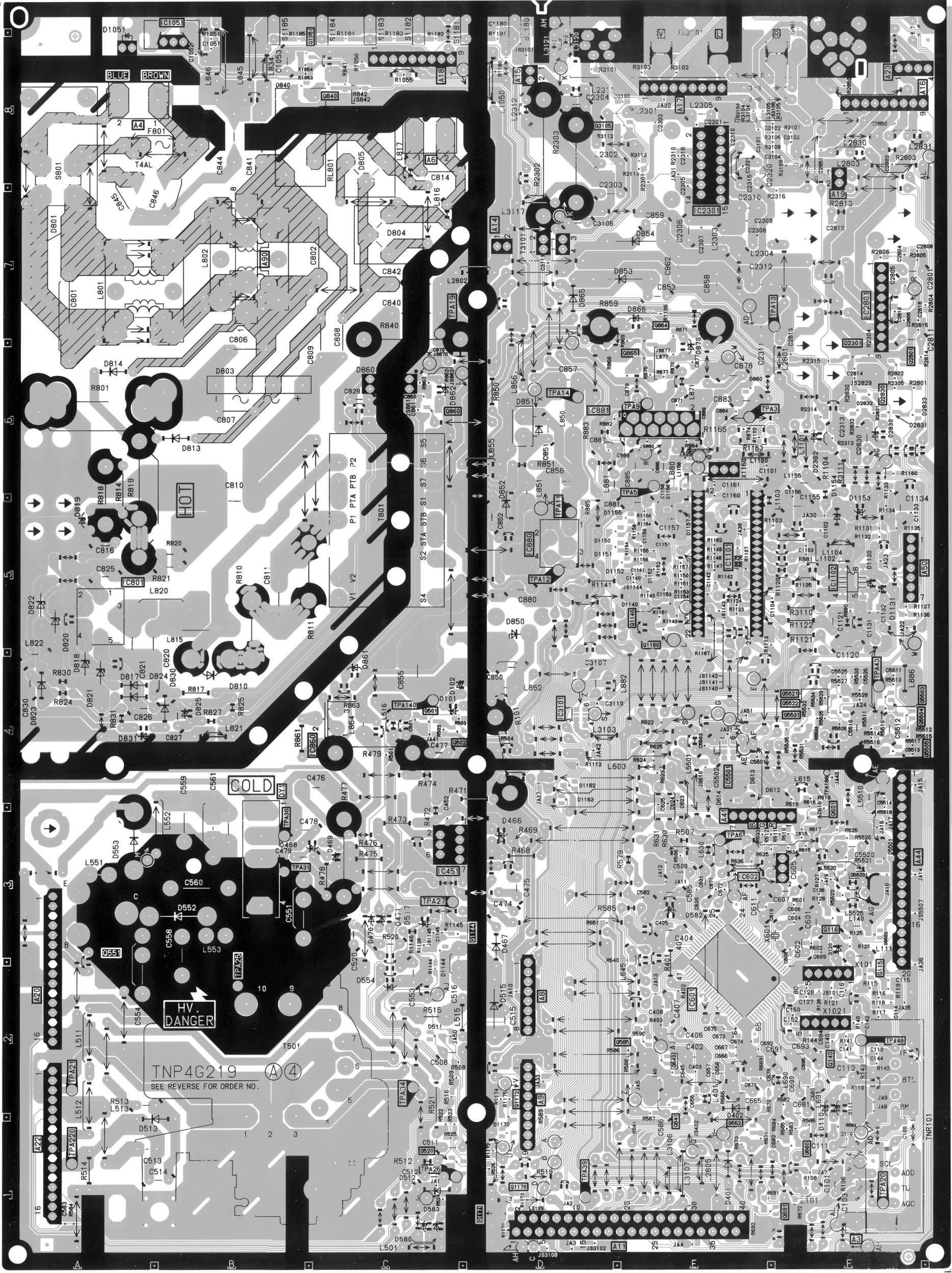
820
2W
R768
2.7
2W
L760
ELC16B102E
C765
50V
10
L761
3300
C763
1
C762
1
IN
OUT
L705
ELH5L7121
R709
1k
2W
C705
200V
0.56
R708
100
1W
GT
C708
250V
0.82
L704
3300
D765
MA2C165001VT
FBP
R767
4.7k
C761
.000p
R766
0
R764
5.6k
D766
B0BA9R900005
D767
MA2C029WAF
D768
MA2C029WAF
C760
50V
100
R765
15
1/2W
C703
200V
0.75
C701
0.68
L702
390
L701
6800
CRITICAL COMPONENTS FOR EUROPE/PX MODEL
(SAFETY REASON)
R530
10
R700
0.68
2W
C535
160V
33
X20
TO A20
NC
DM
DM
NC
H-DRIVE
GND
26V
GND
NC
HL
HL


TUNER
SAW IF
SAW SIF
C IN
Y OUT
MN82362
C OUT
VBS IN
MICON
RESET
BLANK
SCL
R/G/B
SDA
IR
BLK
TEXT
R/G/B
EEPROM
GEOMAGNETIC
AV 1 V
AV 2
AV 3 A
VIDEO SW
VBS OUT
C SW
SVHS 1 Y
C
SVHS 2 Y
C
SVHS SW
Y
U
V
MON OUT
SIF
PIF
BLK
R/G/B
Y/VBS 1
C IN
PIF DET
Y/CVBS 2
TB1261F
BLK
R/G/B
MON OUT
SIF OUT
H OUT
EW
VM
R
G
B
Y U V
V SAW
PINCUSHION
H DRIVE
EW
VM
R
G
B
DY
H OUT
V OUT
SIF
MON OUT
MSP
A IN
L OUT
R OUT
WOOFER OUT
LR AMP
WOOFER AMP
L
R
AC
PRIMARY LIFE CCT
TRANS
12V
9V
5V
3.3V
RESET
WOOFER


BLUE
BROWN
HOT
COLD
HV.
DANGER
TNP4G219 Ⓐ④
SEE REVERSE FOR ORDER NO.
IC1051
IC801
IC2301
IC881
IC451
IC2801
IC602
IC601
T4AL
F801
S801
T501
L2802
L2831
L2830
L2803
L2305
L2304
L2303
L2312
L2310
L2316
L2320
L2321
L2315
L2309
L2308
L2307
L2306
L2301
L2302
L2313
L2314
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L2319
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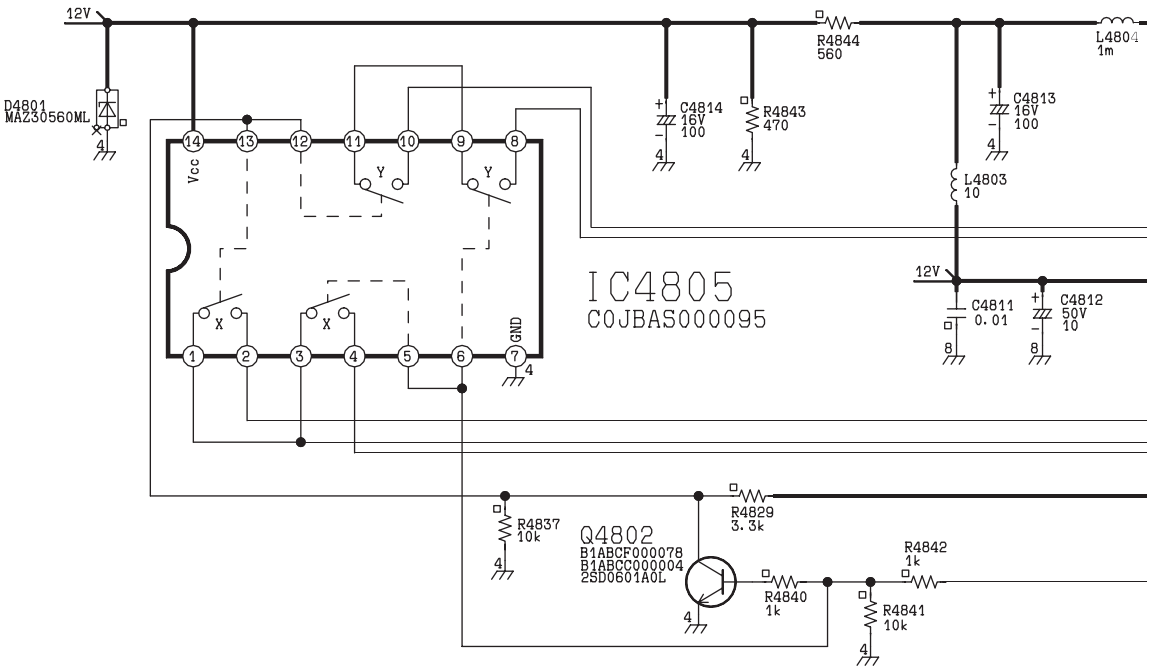
L2360
L2361

⚠ GM TNP4G118BC

GEOMAGNETIC CIRCUIT



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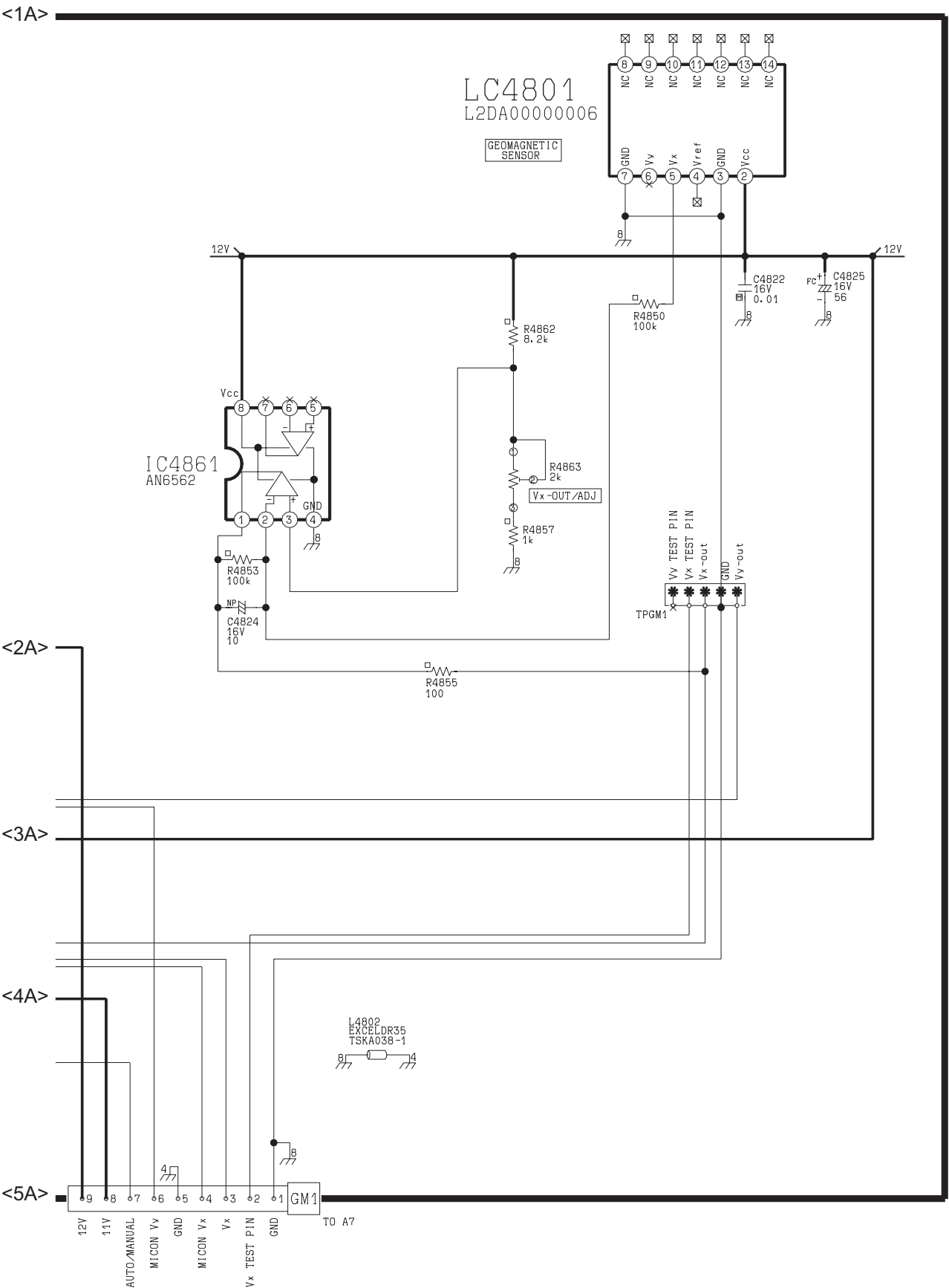
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LC4801
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GEOMAGNETIC SENSOR
NC
GND
Vy
Vx
Vref
Vcc
12V
C4822
16V
0.01
C4825
16V
56
R4850
100k
R4862
8.2k
R4863
2k
Vx-OUT/ADJ
R4857
1k
IC4861
AN6562
Vcc
GND
R4853
100k
NP
C4824
16V
10
R4855
100
TPGM1
Vy TEST PIN
Vx TEST PIN
Vx-out
GND
Vy-out
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L4802
EXCELDR35
TSKA038-1
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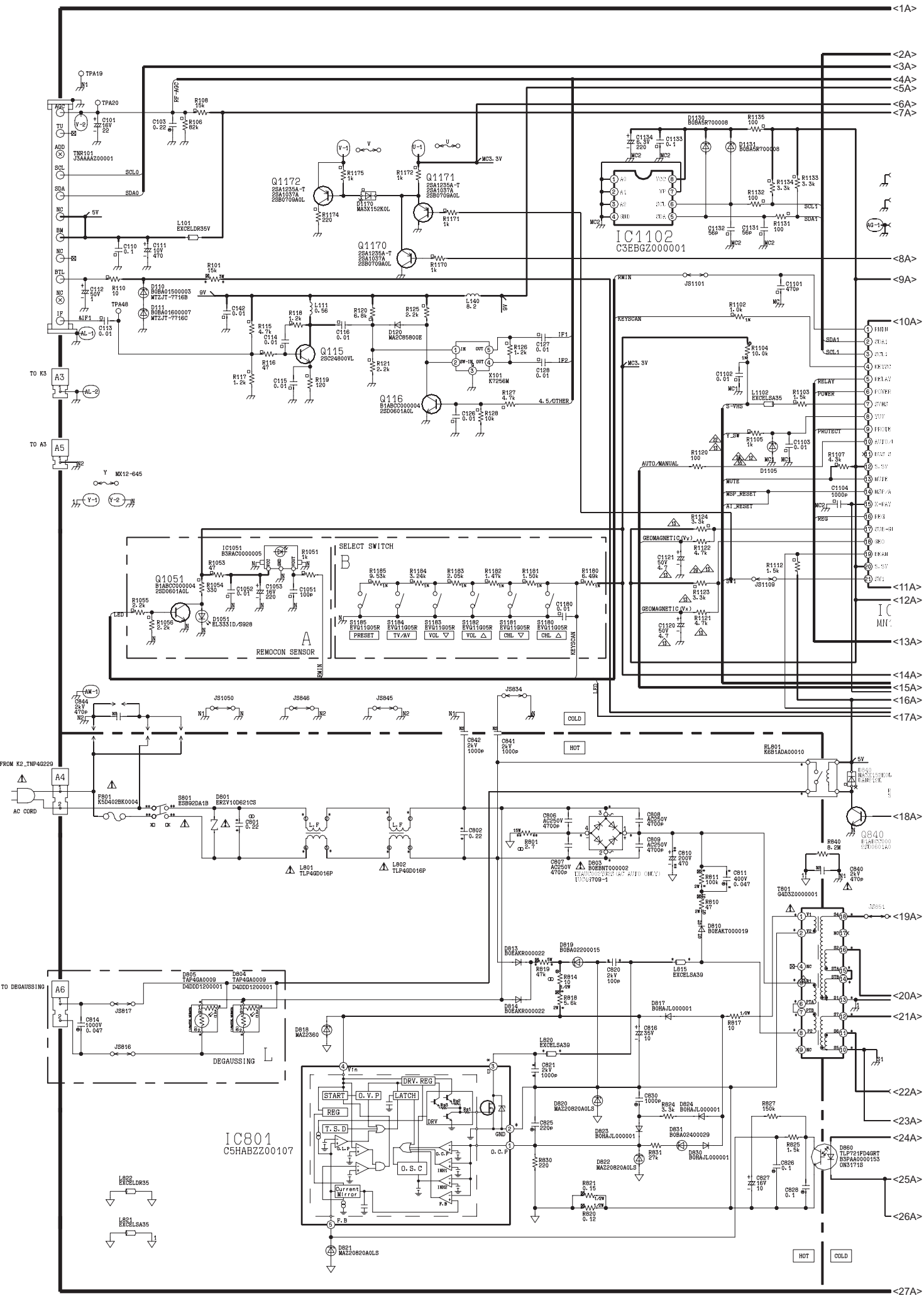
GM1
TO A7
12V
11V
AUTO/MANUAL
MICON Vy
GND
MICON Vx
Vx
Vx TEST PIN
GND


IC1102
C3EBGZ000001
IC801
C5HABZZ00107
SELECT SWITCH
REMOCON SENSOR
DEGAUSSING
TO K3
TO A3
TO DEGAUSSING
FROM K2_TNP4G229
AC CORD
HOT
COLD
SCL0
SDA0
SCL1
SDA1
5V
9V
RMIN
KEYSCAN
MC3.3V
AUTO/MANUAL
MUTE
MSP_RESET
AT_RESET
GEOMAGNETIC(Vy)
GEOMAGNETIC(Vx)
Q1172
Q1171
Q1170
Q1051
Q115
Q116
Q840
TNR101
J3AAAAZ00001
X101
K7256M
D1051
EL333ID/S928
D1130
D1131
D1105
T801
G4D3Z0000001
RL801
K6B1ADA00010
L801
TLP4GD016P
L802
TLP4GD016P
L821
EXCELSA35
L822
EXCELDR35
L101
EXCELDR35V
D860
TLP721FD4GRT
B5PAA0000153
ON3171S
D821
MAZ20820A0LS
D820
MAZ20820A0LS
D822
MAZ20820A0LS
D1170
MA3X152K0L
D120
MA2C85800E
D110
B0BA01500003
MTZJT-7716B
D111
B0BA01600007
MTZJT-7716C
D813
B0EAKR000022
D814
B0EAKR000022
D819
B0BA02200015
D817
B0HAJL000001
D823
B0HAJL000001
D831
B0BA02400029
D830
B0HAJL000001
D824
B0HAJL000001
D818
MA2360
D803
B0EBNT000002
D801
ER2V10D621C5
D805
TAP4GA0009
D804
TAP4GA0009
D1051
B5RAA0000005
IC1051
B5RAA0000005
S1185
EVG11G05R
PRESET
S1184
EVG11G05R
TV/AV
S1183
EVG11G05R
VOL ▽
S1182
EVG11G05R
VOL △
S1181
EVG11G05R
CHL ▽
S1180
EVG11G05R
CHL △
F801
K5D402BK0004
S801
ESB92DA1B
JS1101
JS1109
JS1050
JS846
JS845
JS834
JS817
JS816
TPA19
TPA20
TPA48
MX12-645
IF1
IF2
4.5/OTHER
SCL0
SDA0
SCL1
SDA1
RELAY
POWER
S-VHS
Y_SW
PROTECT
AUTO/M
REG
MUTE
SKO
DRAM
<1A>
<2A>
<3A>
<4A>
<5A>
<6A>
<7A>
<8A>
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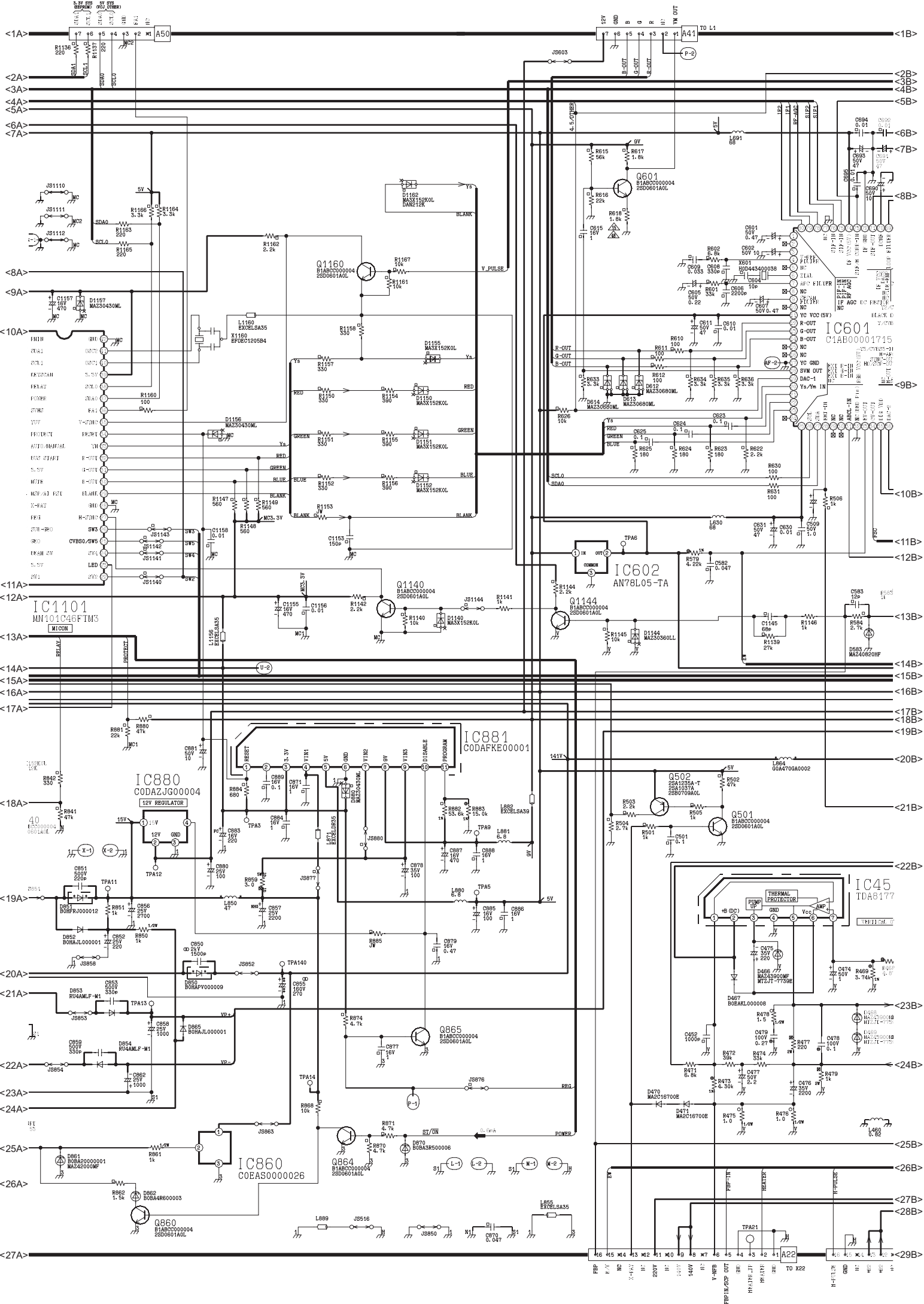
IC1101
MN101C46FTM3
IC880
C0DAZJG00004
IC881
C0DAFKE00001
IC602
AN78L05-TA
IC601
C1AB000001715
IC45
TDA8177
IC860
C0EAS0000026
Q1160
Q1140
Q1144
Q601
Q502
Q501
Q865
Q864
Q860
A50
A41
A22
TO L1
TO X22